

**BEFORE SUBMITTING YOUR BID**

- 1. Use pen and ink to complete the Bid.**
- 2. Have you signed and completed the Contract Agreement, Offer & Award Forms?**
- 3. As a minimum, the Bidder will submit a Bid Package consisting of the Notice to Contractors, the completed Acknowledgement of Bid Amendments & Submission of Bid Bond Validation Number form, the completed Schedule of Items, 2 copies of the completed Agreement, Offer, & Award form, a Bid Bond or Bid Guarantee, and any other Certifications or Bid Requirements listed in the Bid Book.**
- 4. Have you included prices for all Bid Items? (“Zero is not considered a bid price.”)**
- 5. Have you included a bid guarantee? Acceptable forms are:**
  - A. Bid Bond on the Department’s prescribed form for 5% of the Bid Amount. (Or forms that do not contain any significant variations from the Department’s forms as solely determined by the Department.)**
  - B. Official Bank Check, Cashier’s Check, Certified Check, U.S. Postal Money Order or Negotiable Certificate of Deposit in the amount stated in the Notice to Contractors.**
- 6. If the written Bid is to be sent, Federal Express overnight delivery is suggested as the package is delivered directly to the DOT Headquarters Building in Augusta. Other means, such as U.S. Postal Services’ Express Mail has proven not to be reliable.**

**AND FOR FEDERAL AID PROJECTS**

- 7. Have you included your DBE Utilization commitment in the proper amounts and signed the DBE Certification?**

**If you need further information regarding Bid preparation, call the DOT Contracts Section at (207)624-3410.**

**For complete specifications regarding bidding requirements, refer to Section 102 of the Maine Department of Transportation, Standard Specifications, Revision December 2002.**

# NOTICE

**The Maine Department of Transportation is attempting to improve the way Bid Amendments/Addendums are handled, and allow for an electronic downloading of bid packages from our website, while continuing to maintain a planholders list.**

**Prospective bidders, subcontractors or suppliers who wish to download a copy of the bid package and receive a courtesy notification of project specific bid amendments, must provide an email address to Diane Barnes at the MDOT Contracts mailbox at: [MDOT.contracts@maine.gov](mailto:MDOT.contracts@maine.gov). Each bid package will require a separate request.**

**Additionally, interested parties will be responsible for reviewing and retrieving the Bid Amendments from our web site, and acknowledging receipt and incorporating those Bid Amendments in their bids using the Acknowledgement of Bid Amendment Form.**

The downloading of bid packages from the MDOT website is not the same as providing an electronic bid to the Department. Electronic bids must be submitted via <http://www.BIDX.com>. For information on electronic bidding contract Rebecca Pooler at [rebecca.pooler@maine.gov](mailto:rebecca.pooler@maine.gov).

# NOTICE

For security and other reasons, all Bid Packages which are mailed, shall be provided in double (one envelope inside the other) envelopes. The *Inner Envelope* shall have the following information provided on it:

Bid Enclosed - Do Not Open

PIN:

Town:

Date of Bid Opening:

Name of Contractor with mailing address and telephone number:

In Addition to the usual address information, the *Outer Envelope* should have written or typed on it:

Double Envelope: Bid Enclosed

PIN:

Town:

Date of Bid Opening:

Name of Contractor:

*This should not be much of a change for those of you who use Federal Express or similar services.*

Hand-carried Bids may be in one envelope as before, and should be marked with the following information:

Bid Enclosed: Do Not Open

PIN:

Town:

Name of Contractor:

**STATE OF MAINE DEPARTMENT OF TRANSPORTATION**  
Bid Guaranty-Bid Bond Form

**KNOW ALL MEN BY THESE PRESENTS THAT**\_\_\_\_\_

\_\_\_\_\_, of the City/Town of \_\_\_\_\_ and State of \_\_\_\_\_

as Principal, and \_\_\_\_\_ as Surety, a

Corporation duly organized under the laws of the State of \_\_\_\_\_ and having a usual place of

Business in \_\_\_\_\_ and hereby held and firmly bound unto the Treasurer of

the State of Maine in the sum of \_\_\_\_\_ for payment which Principal and Surety bind

themselves, their heirs, executors, administrators, successors and assigns, jointly and severally.

The condition of this obligation is that the Principal has submitted to the Maine Department of

Transportation, hereafter Department, a certain bid, attached hereto and incorporated as a

part herein, to enter into a written contract for the construction of \_\_\_\_\_

\_\_\_\_\_ and if the Department shall accept said bid

and the Principal shall execute and deliver a contract in the form attached hereto (properly

completed in accordance with said bid) and shall furnish bonds for this faithful performance of

said contract, and for the payment of all persons performing labor or furnishing material in

connection therewith, and shall in all other respects perform the agreement created by the

acceptance of said bid, then this obligation shall be null and void; otherwise it shall remain in full

force, and effect.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_

WITNESS:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

WITNESS

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PRINCIPAL:

By \_\_\_\_\_

By: \_\_\_\_\_

By: \_\_\_\_\_

SURETY:

By \_\_\_\_\_

By: \_\_\_\_\_

Name of Local Agency: \_\_\_\_\_



# NOTICE

Bidders:

Please use the attached “Request for Information” form when faxing questions and comments concerning specific Contracts that have been Advertised for Bid. Include additional numbered pages as required.

# REQUEST FOR INFORMATION

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

**Bid Date:** \_\_\_\_\_ **Fax:** (\_\_\_\_) \_\_\_\_\_

RFI No: \_\_\_\_\_ RFI received: \_\_\_\_\_

**Response:**\_\_\_\_\_

[illegible]

Response By:\_\_\_\_\_ Date:\_\_\_\_\_

# INSTRUCTIONS FOR PREPARING THE CONTRACTOR'S DISADVANTAGED BUSINESS ENTERPRISE UTILIZATION PLAN

## The Contractor Shall:

1. Submit a completed Contractor's Disadvantaged Business Enterprise Utilization Plan to the Contract's Engineer by 4:30 P.M. on the Bid day.
2. Extend equal opportunity to MDOT certified DBE firms (as listed in MDOT's DBE Directory of Certified Businesses) in the selection and utilization of Subcontractors and Suppliers.

## SPECIFIC INSTRUCTIONS FOR COMPLETING THE FORM:

Insert Contractor name, the name of the person(s) preparing the form, and that person(s) telephone and fax number.

Provide total Bid price, Federal Project Identification Number, and location of the Project work.

In the columns, name each DBE firm to be used, provide the Unit or Item cost of the Work/Product to be provided by the DBE firm, give a brief description of the Work, and the dollar value of the Work.

If no DBE firm is to be utilized, the Contractor must document the reason(s) why no DBE firms are being used. Specific supporting evidence of good faith efforts taken by Contractors to solicit DBE Bidders must be attached. This evidence, as a minimum, includes phone logs, e-mail and/or mail DBE solicitation records, and the documented results of these solicitations.

# NOTICE

## Disadvantaged Business Enterprise Proposed Utilization

The Apparent Low Bidder must submit the Disadvantaged Business Enterprise Proposed Utilization form by close of Business (4:30 P.M.) on Bid day.

The Contractor's Disadvantaged Business Enterprise Proposed Utilization Plan form contains additional information that is required by USDOT.

The Contractor's Disadvantaged Business Enterprise Proposed Utilization Plan form must be used.

A copy of the new Contractor's Disadvantaged Business Enterprise Proposed Utilization Plan and instructions for completing it are attached.

Note: Questions about DBE firms, or to obtain a printed copy of the DBE Directory, contact Equal Opportunity at (207) 624-3066.

MDOT's DBE Directory of Certified firms can also be obtained at [http://www.state.me.us/mdot/humnres/o\\_equalo/cdwbed\\_h.htm](http://www.state.me.us/mdot/humnres/o_equalo/cdwbed_h.htm)

# CONTRACTOR'S DISADVANTAGED BUSINESS ENTERPRISE PROPOSED UTILIZATION PLAN

Low Bidder shall furnish completed form to Contracts Section by 4:30 P.M. on Bid Opening day.

TO: MDOT Contracts Section  
16 State House Station,  
Augusta, Me 04333-0016  
or  
Fax: 207-624-3431

Contractor: \_\_\_\_\_

Prepared by: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

BID PRICE: \$ \_\_\_\_\_ FEDERAL PROJECT # \_\_\_\_\_ LOCATION: \_\_\_\_\_

TOTAL DBE PARTICIPATION AS A PERCENT OF TOTAL BID PRICE = \_\_\_\_\_ %

DBE Firm*	Unit/Item Cost	Unit #	Description of work & Item Number	Actual \$ Value
Total >				

If no DBE firm(s) are used, bidder must document efforts made to secure DBE participation and attach supporting evidence of this effort:

\_\_\_\_\_  
\_\_\_\_\_.

Examples: Bidder relies wholly upon low quote subcontractor section, DBE firm(s) were not low quote.  
No DBE firms bid.

\*Only DBE firms certified by MDOT prior to bidding can be utilized by Contractor for DBE credit.  
Directory of certified DBEs is available on MDOT's website: [www.state.me.us/mdot](http://www.state.me.us/mdot)

Equal Opportunity Use:

Plan received \_\_\_\_/\_\_\_\_/\_\_\_\_ Verified by: \_\_\_\_\_ Action: \_\_\_\_\_



## Office of Human Resources

### Equal Opportunity

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## MAINE DEPARTMENT OF TRANSPORTATION

Certified Disadvantaged and Women Business Enterprise

DBE DIRECTORY - MINORITY OWNED

WBE DIRECTORY - WOMEN OWNED

WEBSITE FOR DIRECTORY CAN BE FOUND AT:

[http://www.state.me.us/mdot/humnres/o\\_equalo/cdwbed\\_h.htm](http://www.state.me.us/mdot/humnres/o_equalo/cdwbed_h.htm)

*It is the responsibility of the Contractor to access the DBE Directory at this site in order to have the most current listings.*

## STATE OF MAINE DEPARTMENT OF TRANSPORTATION NOTICE TO CONTRACTORS

Sealed Bids addressed to the Maine Department of Transportation, Augusta, Maine 04333 and endorsed on the wrapper "Bids for building Highway Improvements in the town of Harrison" will be received from contractors at the Reception Desk, Maine DOT Building, Child Street, Augusta, Maine, until 11:00 o'clock A.M. (prevailing time) on April 21, 2004, and at that time and place publicly opened and read. Bids will be accepted from contractors prequalified by the Department of Transportation for Highway Construction projects. All other Bids may be rejected. MDOT provides the option of electronic bidding. We now accept electronic bids for those bid packages posted on the bidx.com website. Electronic bids do not have to be accompanied by paper bids. **Please note: the Department will accept a facsimile of the bid bond; however, the original bid bond must then be received at the MDOT Contract Section within 72 hours of the bid opening.** During this transition, dual bids (one paper, one electronic) will be accepted, with the paper copy taking precedence.

Description: Maine Federal Aid Project No. STP-8473(00)X, PIN. 8473.00

Location: In Cumberland County, project is located on Rte.117 from approx. the northwest junction of Rte.35 and extending easterly approx. 3.115 km.

Outline of Work: Grading, drainage, base, hot mix asphalt, recycled asphalt pavement, guardrail, curb, planting trees and shrubs, and other incidental work.

For general information regarding Bidding and Contracting procedures, contact Scott Bickford at (207)624-3410. Our webpage at <http://www.state.me.us/mdot/project/design/homepg.htm> contains a copy of the schedule of items, Plan Holders List, written portions of bid amendments (not drawings), and bid results. For Project-specific information fax all questions to Project Manager Holly Anderson at (207)624-3481. Questions received after 12:00 noon of Monday prior to bid date will not be answered. Bidders shall not contact any other Departmental staff for clarification of Contract provisions, and the Department will not be responsible for any interpretations so obtained. Hearing impaired persons may call the Telecommunication Device for the Deaf at (207) 624-3007.

Plans, specifications and bid forms may be seen at the Maine DOT Building in Augusta, Maine and at the Department of Transportation's Division VI Office in Scarborough. They may be purchased from the Department between the hours of 8:00 a.m. to 4:30 p.m. by cash, credit card (Visa/Mastercard) or check payable to Treasurer, State of Maine sent to Maine Department of Transportation, Attn.: Mailroom, 16 State House Station, Augusta, Maine 04333-0016. They also may be purchased by telephone at (207)624-3536 between the hours of 8:00 a.m. to 4:30 p.m. Full size plans \$262.00 (\$277.00 by mail). Half size plans \$131.00 (\$143.00 by mail), Bid Book \$10 (\$13 by mail), Single Sheets \$2, payment in advance, all non-refundable.

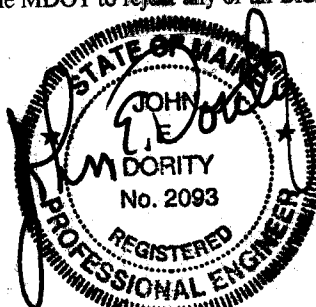
Each Bid must be made upon blank forms provided by the Department and must be accompanied by a bid bond at 5% of the bid amount or an official bank check, cashier's check, certified check, certificate of deposit, or United States postal money order in the amount of \$100,000.00 payable to Treasurer, State of Maine as a Bid guarantee. A Contract Performance Surety Bond and a Contract Payment Surety Bond, each in the amount of 100 percent of the Contract price, will be required of the successful Bidder.

This Contract is subject to all applicable Federal Laws. This contract is subject to compliance with the Disadvantaged Business Enterprise program requirements as set forth by the Maine Department of Transportation.

All work shall be governed by "State of Maine, Department of Transportation, Standard Specifications, Revision of December 2002", price \$10 [\$13 by mail], and Standard Details, Revision of December 2002, price \$20 [\$25 by mail] Standard Detail updates can be found at <http://www.state.me.us/mdot/project/design/homepg.htm>

The right is hereby reserved to the MDOT to reject any or all Bids.

Augusta, Maine  
March 31, 2004



JOHN E. DORITY  
CHIEF ENGINEER

**SPECIAL PROVISION 102.7.3  
ACKNOWLEDGMENT OF BID AMENDMENTS  
&  
SUBMISSION OF BID BOND VALIDATION NUMBER (IF APPLICABLE)**

With this form, the Bidder acknowledges its responsibility to check for all Amendments to the Bid Package. For each Project under Advertisement, Amendments are located at <http://www.state.me.us/mdot/project/design/schedule.htm>. It is the responsibility of the Bidder to determine if there are Amendments to the Project, to download them, and to incorporate them into their Bid Package. The Maine DOT will not post Bid Amendments any later than noon the day before Bid opening.

Amendment Number	Date

The Contractor, for itself, its successors and assigns, hereby acknowledges that it has received all of the above referenced Amendments to the Bid Package. Failure to acknowledge receipt of all Amendments to the Bid Package will be considered a Non-curable Bid Defect in accordance with Section 102.11.1 of the Standard Specifications, Revision of December 2002.

CONTRACTOR

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of authorized representative

\_\_\_\_\_  
(Name and Title Printed)

**Bid Bond Validation Number** \_\_\_\_\_  
(Applicable to annual bid bonds or electronic bid bonds.)



MAINE DEPARTMENT OF TRANSPORTATION

BID

DATE OF OPENING :

CALL ORDER :

CONTRACT ID : 008473.00

PROJECTS

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STP-8473(00)X

COUNTY : CUMBERLAND

## SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 008473.00

PROJECT(S): STP-8473(00)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS   CTS	BID AMOUNT DOLLARS   CTS
SECTION 0001 HIGHWAY ITEMS				
0010	201.11 CLEARING	1.100 HA		
0020	201.12 SELECTIVE CLEARING AND THINNING	0.140 HA		
0030	201.23 REMOVING SINGLE TREE TOP ONLY	25.000 EA		
0040	201.24 REMOVING STUMP	25.000 EA		
0050	202.123 SCARIFYING CONCRETE DEC-TOP	LUMP	LUMP	
0060	202.15 REMOVING MANHOLE OR CATCH BASIN	7.000 EA		
0070	202.19 REMOVING EXISTING BRIDGE	LUMP	LUMP	
0080	203.20 COMMON EXCAVATION	33220.000 M3		
0090	203.2312 HEALTH AND SAFETY PLAN	LUMP	LUMP	
0100	203.2333 DISPOSAL OF SPECIAL EXCAVATION	50.000 MG		

## SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 008473.00

PROJECT(S): STP-8473(00)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS   CTS	BID AMOUNT DOLLARS   CTS
0110	203.25 GRANULAR BORROW	50.000		
		M3		
0120	206.061 STRUCTURAL EARTH EXCAVATION - DRAINAGE AND MINOR STRUCTURES, BELOW GRADE	50.000		
		M3		
0130	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	22600.000		
		M3		
0140	310.23 PLANT MIX RECYCLED ASPHALT PAVEMENT - 75 MM DEPTH	33500.000		
		M2		
0150	403.207 HOT MIX ASPHALT 19.0 MM NOMINAL MAX SIZE	4900.000		
		MG		
0160	403.208 HOT MIX ASPHALT 12.5 MM, SURFACE	3850.000		
		MG		
0170	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTAL )	1030.000		
		MG		
0180	409.15 BITUMINOUS TACK COAT APPLIED	6000.000		
		L		
0190	502.44 STRUCTURAL CONCRETE WEARING SURFACE ON BRIDGES	21.000		
		M3		
0200	503.12 REINFORCING STEEL, FABRICATED AND DELIVERED	183.000		
		KG		

## SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 008473.00

PROJECT(S): STP-8473(00)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS   CTS	BID AMOUNT DOLLARS   CTS
0210	503.13 REINFORCING STEEL, PLACING	183.000 KG		
0220	515.21 PROTECTIVE COATING FOR CONCRETE SURFACES	LUMP	LUMP	
0230	525.325 DRY-LAID STONE RETAINING WALL	43.000 M2		
0240	525.62 BOULDER RETAINING WALL	180.000 M2		
0250	526.323 TEXAS CLASSIC RAIL	LUMP	LUMP	
0260	534.71 PRECAST CONCRETE BOX CULVERT	LUMP	LUMP	
0270	603.159 300 MM CULVERT PIPE OPTION III	32.000 M		
0280	603.16 375 MM CULVERT PIPE OPTION I	19.400 M		
0290	603.169 375 MM CULVERT PIPE OPTION III	38.000 M		
0300	603.17 450 MM CULVERT PIPE OPTION I	10.800 M		
0310	603.179 450 MM CULVERT PIPE OPTION III	195.000 M		

## SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 008473.00

PROJECT(S): STP-8473(00)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0320	603.189 525 MM CULVERT PIPE OPTION III	10.000 M				
0330	603.19 600 MM CULVERT PIPE OPTION I	26.000 M				
0340	603.199 600 MM CULVERT PIPE OPTION III	128.000 M				
0350	603.209 750 MM CULVERT PIPE OPTION III	176.000 M				
0360	603.219 900 MM CULVERT PIPE OPTION III	48.000 M				
0370	603.2191 LINER FOR 900 MM CULVERT PIPE	18.000 M				
0380	603.229 1050 MM CULVERT PIPE OPTION III	25.000 M				
0390	604.072 CATCH BASIN TYPE A1-C	44.000 EA				
0400	604.092 CATCH BASIN TYPE B1-C	17.000 EA				
0410	604.15 MANHOLE	4.000 EA				
0420	604.30 SPECIAL CATCH BASIN	17.000 EA				

## SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 008473.00

PROJECT(S): STP-8473(00)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0430	605.09 150 MM UNDERDRAIN TYPE B	2510.000 M				
0440	605.10 150 MM UNDERDRAIN OUTLET	156.000 M				
0450	605.11 300 MM UNDERDRAIN TYPE C	380.000 M				
0460	605.12 375 MM UNDERDRAIN TYPE C	295.000 M				
0470	605.13 450 MM UNDERDRAIN TYPE C	255.000 M				
0480	605.15 600 MM UNDERDRAIN TYPE C	118.000 M				
0490	605.17 750 MM UNDERDRAIN TYPE C	118.000 M				
0500	606.151 GUARDRAIL TYPE 3AA - SINGLE RAIL	1850.000 M				
0510	606.21 GUARDRAIL TYPE 3B - 4.5 M RADIUS OR LESS	18.000 M				
0520	606.25 TERMINAL CONNECTOR	4.000 EA				
0530	606.265 TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	4.000 EA				

## SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 008473.00

PROJECT(S): STP-8473(00)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0540	606.266 TERMINAL END - SINGLE RAIL - CORROSION RESISTANT STEEL	54.000 EA				
0550	606.35 GUARDRAIL DELINEATOR POST	28.000 EA				
0560	606.363 GUARDRAIL REMOVE AND DISPOSE	585.000 M				
0570	606.47 SINGLE WOOD POST	25.000 EA				
0580	606.79 GUARDRAIL 350 FLARED TERMINAL	8.000 EA				
0590	607.24 REMOVE AND RESET FENCE	44.000 M				
0600	608.08 REINFORCED CONCRETE SIDEWALK	1840.000 M2				
0610	608.253 MASONRY PAVER WITH TRUNCATED DOME	21.000 M2				
0620	608.45 CONSTRUCTING SIDEWALK	16.000 M2				
0630	609.11 VERTICAL CURB TYPE 1	1460.000 M				
0640	609.12 VERTICAL CURB TYPE 1 - CIRCULAR	210.000 M				

## SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 008473.00

PROJECT(S): STP-8473(00)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0650	609.234 TERMINAL CURB TYPE 1 - 1.2 METER	79.000 EA				
0660	609.237 TERMINAL CURB TYPE 1 - 2.1 METER	69.000 EA				
0670	609.31 CURB TYPE 3	1020.000 M				
0680	609.34 CURB TYPE 5	21.000 M				
0690	610.08 PLAIN RIPRAP	450.000 M3				
0700	610.16 HEAVY RIPRAP	120.000 M3				
0710	610.18 STONE DITCH PROTECTION	325.000 M3				
0720	613.319 EROSION CONTROL BLANKET	1500.000 M2				
0730	615.07 LOAM	1750.000 M3				
0740	618.1301 SEEDING METHOD NUMBER 1 - PLAN QUANTITY	76.000 UN				
0750	618.1401 SEEDING METHOD NUMBER 2 - PLAN QUANTITY	44.000 UN				



## SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 008473.00

PROJECT(S): STP-8473(00)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS   CTS	BID AMOUNT DOLLARS   CTS
0760	618.143 SPECIAL SEED MIX: HARRISON WOODY SEED	148.000 UN		
0770	619.1201 MULCH - PLAN QUANTITY	254.000 UN		
0780	619.1401 EROSION CONTROL MIX	650.000 M3		
0790	620.58 EROSION CONTROL GEOTEXTILE	1200.000 M2		
0800	621.019 EVERGREEN TREES (600 MM - 900 MM) GROUP A	18.000 EA		
0810	621.025 EVERGREEN TREES (900 MM - 1200 MM) GROUP A	12.000 EA		
0820	621.026 EVERGREEN TREES (900 MM - 1200 MM) GROUP B	13.000 EA		
0830	621.031 EVERGREEN TREES (1200 MM - 1500 MM) GROUP A	3.000 EA		
0840	621.032 EVERGREEN TREES (1200 MM - 1500 MM) GROUP B	18.000 EA		
0850	621.038 EVERGREEN TREES (1500 MM - 1800 MM) GROUP B	3.000 EA		
0860	621.045 EVERGREEN TREES (1800 MM - 2400 MM) GROUP C	1.000 EA		

## SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 008473.00

PROJECT(S): STP-8473(00)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0870	621.101 PLUG/ STARTER PLANT	1152.000 EA				
0880	621.196 MEDIUM DECIDUOUS TREE (45 MM - 50 MM CALIPER) GROUP B	24.000 EA				
0890	621.273 LARGE DECIDUOUS TREE (50 MM - 65 MM CALIPER) GROUP A	20.000 EA				
0900	621.388 DWARF EVERGREENS (300 MM - 375 MM)	12.000 EA				
0910	621.531 DECIDUOUS SHRUBS (300 MM - 450 MM CALIBER) GROUP A	126.000 EA				
0920	621.54 DECIDUOUS SHRUBS (450 MM - 600 MM) GROUP A	78.000 EA				
0930	621.546 DECIDUOUS SHRUBS (600 MM - 900 MM) GROUP A	30.000 EA				
0940	621.547 DECIDUOUS SHRUBS (600 MM - 900 MM) GROUP B	12.000 EA				
0950	621.558 DECIDUOUS SHRUBS (1200 MM - 1500 MM) GROUP A	12.000 EA				
0960	621.71 HERBACEOUS PERENNIALS GROUP A	180.000 EA				
0970	621.711 HERBACEOUS PERENNIALS GROUP B	120.000 EA				

## SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 008473.00

PROJECT(S): STP-8473(00)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0980	621.80 ESTABLISHMENT PERIOD	LUMP	LUMP			
0990	627.711 WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE (PLAN QUANTITY )	13900.000 M				
1000	627.75 WHITE OR YELLOW PAVEMENT AND CURB MARKING	150.000 M2				
1010	627.76 TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	LUMP	LUMP			
1020	627.811 TEMPORARY BI-DIRECTIONAL YELLOW DELINEATORS	400.000 EA				
1030	629.05 HAND LABOR, STRAIGHT TIME	105.000 HR				
1040	631.10 AIR COMPRESSOR (INCLUDING OPERATOR)	20.000 HR				
1050	631.11 AIR TOOL (INCLUDING OPERATOR)	20.000 HR				
1060	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	55.000 HR				
1070	631.13 BULLDOZER (INCLUDING OPERATOR)	50.000 HR				
1080	631.14 GRADER (INCLUDING OPERATOR)	40.000 HR				

## SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 008473.00

PROJECT(S): STP-8473(00)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS CTS	BID AMOUNT DOLLARS CTS
1090	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	58.000 HR		
1100	631.18 CHAIN SAW RENTAL (INCLUDING OPERATOR)	20.000 HR		
1110	631.20 STUMP CHIPPER (INCLUDING OPERATOR)	20.000 HR		
1120	631.22 FRONT END LOADER (INCLUDING OPERATOR)	40.000 HR		
1130	637.071 DUST CONTROL	LUMP	LUMP	
1140	639.18 FIELD OFFICE TYPE A	1.000 EA		
1150	652.30 FLASHING ARROW BOARD	2.000 EA		
1160	652.31 TYPE I BARRICADE	60.000 EA		
1170	652.311 TYPE II BARRICADE	20.000 EA		
1180	652.33 DRUM	100.000 EA		
1190	652.34 CONE	200.000 EA		

## SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 008473.00

PROJECT(S): STP-8473(00)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS   CTS	BID AMOUNT DOLLARS   CTS
1200	652.35 CONSTRUCTION SIGNS	400.000 M2		
1210	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	LUMP	LUMP	
1220	652.37 WARNING LIGHTS	2.000 GP		
1230	652.38 FLAGGER	7500.000 HR		
1240	652.41 PORTABLE - CHANGEABLE MESSAGE SIGN	2.000 EA		
1250	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP	LUMP	
1260	659.10 MOBILIZATION	LUMP	LUMP	
1270	660.21 ON-THE-JOB TRAINING (BID)	3000.000 HR		
1280	823.011 GATE VALVE BOX, INSTALL ONLY	4.000 EA		
1290	823.332 GATE VALVE BOX, ADJUST TO GRADE	17.000 EA		
	SECTION 0001 TOTAL			
	TOTAL BID			

## **CONTRACT AGREEMENT, OFFER & AWARD**

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street, Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and

\_\_\_\_\_ a corporation or other legal entity organized under the laws of the State of Maine, with its principal place of business located at \_\_\_\_\_

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

### **A. The Work.**

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, PIN No. **8473.00** for **Highway Improvements** in the town of **Harrison**, County of **Cumberland** Maine. The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

### **B. Time.**

The Contractor agrees to complete all Work, except warranty work, on or before **December 30, 2005**. Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the State of Maine Department of Transportation Standard Specifications, Revision of December 2002.

### **C. Price.**

The quantities given in the Schedule of Items of the Bid Package will be used as the basis for determining the original Contract amount and for determining the amounts of the required Performance Surety Bond and Payment Surety Bond, and that the amount of this offer is \_\_\_\_\_

\$\_\_\_\_\_ Performance Bond and Payment Bond each being 100% of the amount of this Contract.

**D. Contract.**

This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, Standard Specifications, Revision of December 2002, Standard Details Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds. It is agreed and understood that this Contract will be governed by the documents listed above.

**E. Certifications.**

By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in Appendix A to Division 100 of the Standard Specifications Revision of December 2002 (Federal Contract Provisions Supplement), and the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.
3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

**F. Offer.**

The undersigned, having carefully examined the site of work, the Plans, Standard Specifications Revision of December 2002, Standard Details Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds contained herein for construction of:

**PIN. 8473.00 - Highway Improvements - in the town of Harrison,**

State of Maine, on which bids will be received until the time specified in the "Notice to Contractors" do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract at the unit prices in the attached "Schedule of Items".

The Offeror agrees to perform the work required at the price specified above and in accordance with the bids provided in the attached "Schedule of Items" in strict accordance with the terms of this solicitation, and to provide the appropriate insurance and bonds if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, not covered by the attached "Schedule of Items", which may be ordered by the Resident, and to accept as full compensation the amount determined upon a "Force Account" basis as provided in the Standard Specifications, Revision of December 2002, and as addressed in the contract documents.

Second: That the bid bond at 5% of the bid amount or the official bank check, cashier's check, certificate of deposit or U. S. Postal Money Order in the amount given in the "Notice to Contractors", payable to the Treasurer of the State of Maine and accompanying this bid, shall be forfeited, as liquidated damages, if in case this bid is accepted, and the undersigned shall fail to abide by the terms and conditions of the offer and fail to furnish satisfactory insurance and Contract bonds under the conditions stipulated in the Specifications within 15 days of notice of intent to award the contract.

Third: To begin the Work on the date specified in the Engineer's "Notice to Commence Work" as stated in Section 107.2 of the Standard Specifications Revision of December 2002 and complete the Work within the time limits given in the Special Provisions of this Contract.

Fourth: The Contractor will be bound to the Disadvantaged Business Enterprise (DBE) Requirements contained in the attached Notice (Additional Instructions to Bidders) and submit a completed Contractor's Disadvantaged Business Enterprise Utilization Plan by 4:30pm on the day of bid opening to the Contracts Engineer.

Fifth: That this offer shall remain open for 30 calendar days after the date of opening of bids.



Sixth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

CONTRACTOR

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Signature of Legally Authorized Representative  
of the Contractor)

\_\_\_\_\_  
Witness

\_\_\_\_\_  
(Name and Title Printed)

**G. Award.**

Your offer is hereby accepted.  
documents referenced herein.

This award consummates the Contract, and the

MAINE DEPARTMENT OF TRANSPORTATION

\_\_\_\_\_  
Date

\_\_\_\_\_  
By: David A. Cole, Commissioner

\_\_\_\_\_  
Witness

## **CONTRACT AGREEMENT, OFFER & AWARD**

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street, Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and

\_\_\_\_\_ a corporation or other legal entity organized under the laws of the State of Maine, with its principal place of business located at \_\_\_\_\_

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

### **A. The Work.**

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, PIN No. **8473.00** for **Highway Improvements** in the town of **Harrison**, County of **Cumberland** Maine. The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

### **B. Time.**

The Contractor agrees to complete all Work, except warranty work, on or before **December 30, 2005**. Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the State of Maine Department of Transportation Standard Specifications, Revision of December 2002.

### **C. Price.**

The quantities given in the Schedule of Items of the Bid Package will be used as the basis for determining the original Contract amount and for determining the amounts of the required Performance Surety Bond and Payment Surety Bond, and that the amount of this offer is \_\_\_\_\_

\$\_\_\_\_\_ Performance Bond and Payment Bond each being 100% of the amount of this Contract.

**D. Contract.**

This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, Standard Specifications, Revision of December 2002, Standard Details Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds. It is agreed and understood that this Contract will be governed by the documents listed above.

**E. Certifications.**

By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in Appendix A to Division 100 of the Standard Specifications Revision of December 2002 (Federal Contract Provisions Supplement), and the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.
3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

**F. Offer.**

The undersigned, having carefully examined the site of work, the Plans, Standard Specifications Revision of December 2002, Standard Details Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds contained herein for construction of:

**PIN. 8473.00 - Highway Improvements - in the town of Harrison,**

State of Maine, on which bids will be received until the time specified in the "Notice to Contractors" do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract at the unit prices in the attached "Schedule of Items".

The Offeror agrees to perform the work required at the price specified above and in accordance with the bids provided in the attached "Schedule of Items" in strict accordance with the terms of this solicitation, and to provide the appropriate insurance and bonds if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, not covered by the attached "Schedule of Items", which may be ordered by the Resident, and to accept as full compensation the amount determined upon a "Force Account" basis as provided in the Standard Specifications, Revision of December 2002, and as addressed in the contract documents.

Second: That the bid bond at 5% of the bid amount or the official bank check, cashier's check, certificate of deposit or U. S. Postal Money Order in the amount given in the "Notice to Contractors", payable to the Treasurer of the State of Maine and accompanying this bid, shall be forfeited, as liquidated damages, if in case this bid is accepted, and the undersigned shall fail to abide by the terms and conditions of the offer and fail to furnish satisfactory insurance and Contract bonds under the conditions stipulated in the Specifications within 15 days of notice of intent to award the contract.

Third: To begin the Work on the date specified in the Engineer's "Notice to Commence Work" as stated in Section 107.2 of the Standard Specifications Revision of December 2002 and complete the Work within the time limits given in the Special Provisions of this Contract.

Fourth: The Contractor will be bound to the Disadvantaged Business Enterprise (DBE) Requirements contained in the attached Notice (Additional Instructions to Bidders) and submit a completed Contractor's Disadvantaged Business Enterprise Utilization Plan by 4:30pm on the day of bid opening to the Contracts Engineer.

Fifth: That this offer shall remain open for 30 calendar days after the date of opening of bids.

Sixth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

CONTRACTOR

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Signature of Legally Authorized Representative  
of the Contractor)

\_\_\_\_\_  
Witness

\_\_\_\_\_  
(Name and Title Printed)

**G. Award.**

Your offer is hereby accepted.  
documents referenced herein.

This award consummates the Contract, and the

MAINE DEPARTMENT OF TRANSPORTATION

\_\_\_\_\_  
Date

\_\_\_\_\_  
By: David A. Cole, Commissioner

\_\_\_\_\_  
Witness

## **CONTRACT AGREEMENT, OFFER & AWARD**

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and

**(Name of the firm bidding the job)**

a corporation or other legal entity organized under the laws of the State of Maine, with its principal place of business located at **(address of the firm bidding the job)**

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

### **A. The Work.**

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, PIN No. **1224.00**

for the **Hot Mix Asphalt Overlay** in the town/city of **West Eastport**, County of **Washington**, Maine. The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

### **B. Time.**

The Contractor agrees to complete all Work, except warranty work, on or before **November 15**, 2003. Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the State of Maine Department of Transportation Standard Specifications, Revision of December 2002.

**C. Price.**

The quantities given in the Schedule of Items of the Bid Package will be used as the basis for determining the original Contract amount and for determining the amounts of the required Performance Surety Bond and Payment Surety Bond, and that the amount of this offer is (Place bid here in alphabetical form such as One Hundred and Two dollars and 10 cents) \$ (repeat bid here in numerical terms, such as \$102.10) Performance Bond and Payment Bond each being 100% of the amount of this Contract.

**D. Contract.**

This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, Standard Specifications, Revision of December 2002, Standard Details Revision of December 2002, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds. It is agreed and understood that this Contract will be governed by the documents listed above.

**E. Certifications.**

By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in Appendix A to Division 100 of the Standard Specifications Revision of December 2002 (Federal Contract Provisions Supplement), and the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.
3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

**F. Offer.**

The undersigned, having carefully examined the site of work, the Plans, Standard Specifications, Revision of December 2002, Standard Details Revision of December 2002, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds contained herein for construction of:

**PIN 1234.00 West Eastport, Hot Mix Asphalt Overlay**

State of Maine, on which bids will be received until the time specified in the "Notice to Contractors" do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract at the unit prices in the attached "Schedule of Items".

The Offeror agrees to perform the work required at the price specified above and in accordance with the bids provided in the attached "Schedule of Items" in strict accordance with the terms of this solicitation, and to provide the appropriate insurance and bonds if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, not covered by the attached "Schedule of Items", which may be ordered by the Resident, and to accept as full compensation the amount determined upon a "Force Account" basis as provided in the Standard Specifications, Revision of December 2002, and as addressed in the contract documents.

Second: That the bid bond at 5% of the bid amount or the official bank check, cashier's check, certificate of deposit or U. S. Postal Money Order in the amount given in the "Notice to Contractors", payable to the Treasurer of the State of Maine and accompanying this bid, shall be forfeited, as liquidated damages, if in case this bid is accepted, and the undersigned shall fail to abide by the terms and conditions of the offer and fail to furnish satisfactory insurance and Contract bonds under the conditions stipulated in the Specifications within 15 days of notice of intent to award the contract.

Third: To begin the Work on the date specified in the Engineer's "Notice to Commence Work" as stated in Section 107.2 of the Standard Specifications Revision of 2002 and complete the Work within the time limits given in the Special Provisions of this Contract.

Fourth: The Contractor will be bound to the Disadvantaged Business Enterprise (DBE) Requirements contained in the attached Notice (Additional Instructions to Bidders) and submit a completed Contractor's Disadvantaged Business Enterprise Utilization Plan by 4:30pm on the day of bid opening to the Contracts Engineer.

Fifth: That this offer shall remain open for 30 calendar days after the date of opening of bids.



Sixth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness Sign Here)  
Witness

\_\_\_\_\_  
(Sign Here)  
(Signature of Legally Authorized Representative  
of the Contractor)

\_\_\_\_\_  
(Print Name Here)  
(Name and Title Printed)

**G. Award.**

Your offer is hereby accepted.  
documents referenced herein.

This award consummates the Contract, and the

MAINE DEPARTMENT OF TRANSPORTATION

\_\_\_\_\_  
Date

\_\_\_\_\_  
By: David A. Cole, Commissioner

\_\_\_\_\_  
(Witness)

BOND # \_\_\_\_\_

CONTRACT PERFORMANCE BOND  
(Surety Company Form)

KNOW ALL MEN BY THESE PRESENTS: That \_\_\_\_\_  
\_\_\_\_\_ **and the State of** \_\_\_\_\_, as principal,  
and \_\_\_\_\_,  
a corporation duly organized under the laws of the State of \_\_\_\_\_ and having a  
usual place of business \_\_\_\_\_,  
as Surety, are held and firmly bound unto the Treasurer of the State of Maine in the sum  
of \_\_\_\_\_ **and 00/100 Dollars (\$** \_\_\_\_\_ **)**,  
to be paid said Treasurer of the State of Maine or his successors in office, for which  
payment well and truly to be made, Principal and Surety bind themselves, their heirs,  
executors and administrators, successors and assigns, jointly and severally by these  
presents.

The condition of this obligation is such that if the Principal designated as Contractor in  
the Contract to construct Project Number \_\_\_\_\_ in the Municipality of  
\_\_\_\_\_ promptly and faithfully performs the Contract, then this  
obligation shall be null and void; otherwise it shall remain in full force and effect.

The Surety hereby waives notice of any alteration or extension of time made by the State  
of Maine.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 20....

WITNESSES:

Signature.....  
Print Name Legibly .....

Signature .....

Print Name Legibly .....

SURETY ADDRESS:

.....  
.....  
.....

TELEPHONE.....

SIGNATURES:

CONTRACTOR:

Print Name Legibly .....

SURETY:

Print Name Legibly .....

NAME OF LOCAL AGENCY:

ADDRESS .....

.....  
.....

BOND # \_\_\_\_\_

CONTRACT PAYMENT BOND  
(Surety Company Form)

KNOW ALL MEN BY THESE PRESENTS: That \_\_\_\_\_  
\_\_\_\_\_ **and the State of** \_\_\_\_\_, as principal,  
and \_\_\_\_\_  
a corporation duly organized under the laws of the State of \_\_\_\_\_ and having a  
usual place of business in \_\_\_\_\_,  
as Surety, are held and firmly bound unto the Treasurer of the State of Maine for the use  
and benefit of claimants as herein below defined, in the sum of  
\_\_\_\_\_ **and 00/100 Dollars (\$** \_\_\_\_\_ **)**  
for the payment whereof Principal and Surety bind themselves, their heirs, executors and  
administrators, successors and assigns, jointly and severally by these presents.

The condition of this obligation is such that if the Principal designated as Contractor in  
the Contract to construct Project Number \_\_\_\_\_ in the Municipality of  
\_\_\_\_\_ promptly satisfies all claims and demands incurred for all  
labor and material, used or required by him in connection with the work contemplated by  
said Contract, and fully reimburses the obligee for all outlay and expense which the  
obligee may incur in making good any default of said Principal, then this obligation shall  
be null and void; otherwise it shall remain in full force and effect.

A claimant is defined as one having a direct contract with the Principal or with a  
Subcontractor of the Principal for labor, material or both, used or reasonably required for  
use in the performance of the contract.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 20 .. .

WITNESS:

SIGNATURES:

CONTRACTOR:

Signature.....

Print Name Legibly .....

SURETY:

Signature.....

Print Name Legibly .....

SURETY ADDRESS:

NAME OF LOCAL AGENCY:

ADDRESS .....

.....

TELEPHONE .....

General Decision Number ME030003 06/13/2003 ME3

Superseded General Decision No. ME020003

State: Maine

Construction Type:  
HIGHWAY

County(ies):  
ANDROSCOGGIN CUMBERLAND

Highway Construction Projects Excluding Major Bridging  
(for example: bascule, suspension and spandrel arch  
bridges; those bridging waters presently navigating or  
to be navigable; and those involving marine construction  
in any degree); tunnels, building structures in rest area  
projects and railroad construction.

Modification Number Publication Date  
0 06/13/2003

COUNTY(ies):  
ANDROSCOGGIN CUMBERLAND

SUME4025A 10/24/2000

	Rates	Fringes
CARPENTERS	11.30	1.95
ELECTRICIANS	17.90	2.30
LABORERS		
Flaggers	6.00	
Landscape	7.99	.72
Unskilled	8.69	1.08
POWER EQUIPMENT OPERATORS		
Backhoes	12.39	2.00
Bulldozers	11.13	1.94
Excavators	11.24	1.31
Loaders	11.19	1.82
Rollers	10.16	1.56
TRUCK DRIVERS		
Dump	9.02	1.39
Two axle	9.08	1.28

WELDERS - Receive rate prescribed for craft performing operation  
to which welding is incidental.

Unlisted classifications needed for work not included within  
the scope of the classifications listed may be added after  
award only as provided in the labor standards contract clauses  
(29 CFR 5.5(a)(1)(ii)).

In the listing above, the "SU" designation means that rates  
listed under that identifier do not reflect collectively  
bargained wage and fringe benefit rates. Other designations

indicate unions whose rates have been determined to be prevailing.

#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

4.) All decisions by the Administrative Review Board are final.  
END OF GENERAL DECISION

□

SPECIAL PROVISION  
CONSTRUCTION AREA

A Construction Area located in the **Town of Harrison** has been established by the Maine Department of Transportation in accordance with provisions of Title 29, Section 1703, Maine Revised Statutes Annotated.

- (a) The section of highway under construction beginning at Sta. 10+000 and ending at Sta. 13+300 of the construction centerline plus approaches.
- (b) (Rte.117) The section of highway under construction beginning at Sta. 10+000 and ending at Sta. 13+300 of the new construction centerline plus approaches.

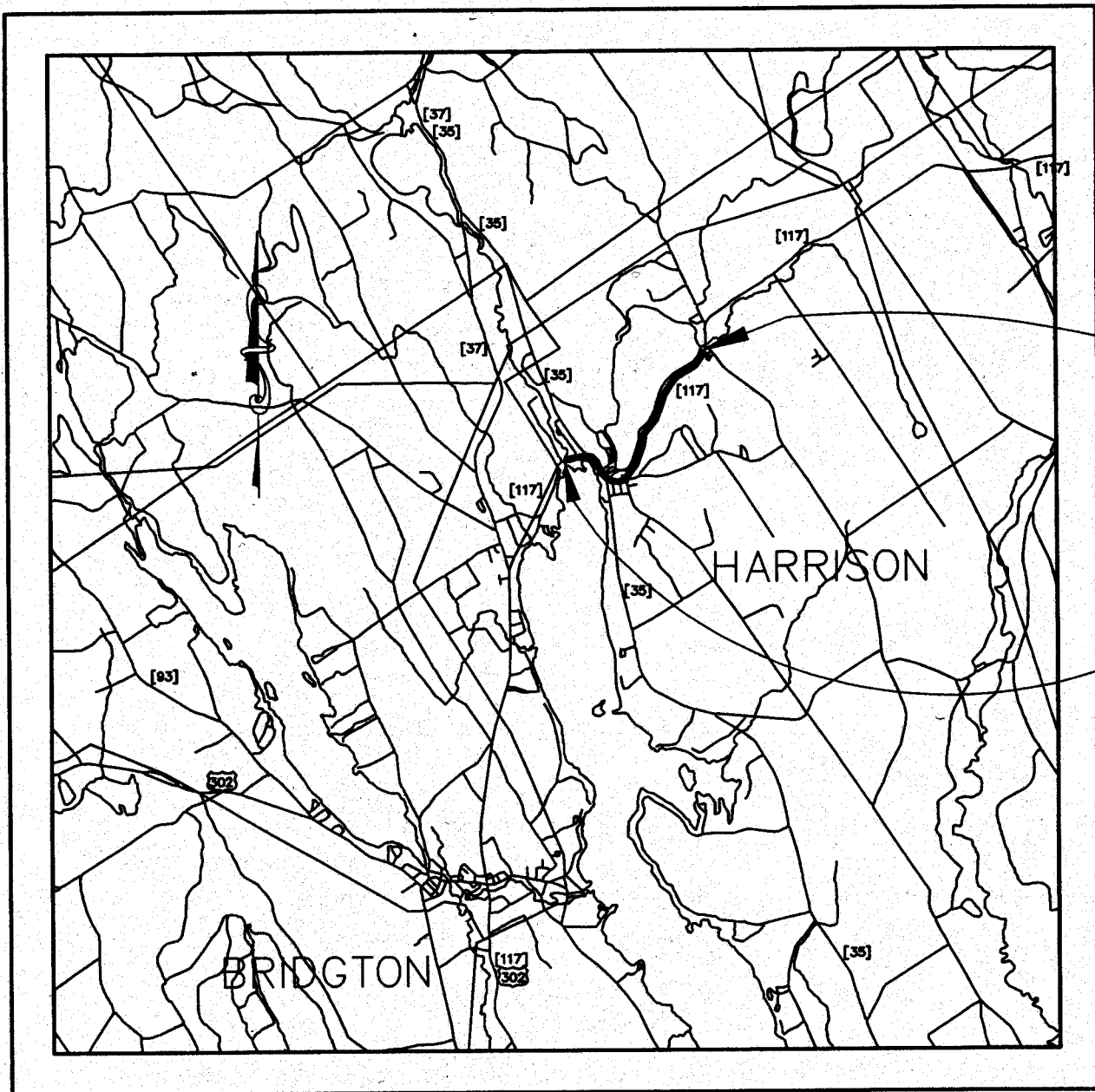
The State Department of Transportation or the State's Engineer may issue permits for stated periods of time for moving construction equipment without loads, low-bed trailers with overloads, over-height, over-width or over-length equipment or materials over all State maintained sections described in the "Construction Area" above and in addition may issue permits for stated periods of time for moving overweight vehicles and loads over the section described in (a) above. The right to revoke such a permit at any time is reserved by the State Department of Transportation and the issuance of such permits shall be subject to any Special Provisions or Supplemental Specifications written for this project.

A Temporary Permit for each move may be issued by the State Department of Transportation or the State's Engineer for moving Contractor's construction equipment used on the project which exceeds the legal limits (shovels, bulldozers, etc.) to sources of construction material over highways maintained by the State reasonably within the area of the project.

The Municipal Officers for the **Town of Harrison** agreed that a permit will be issued to the Contractor for the purpose of hauling loads in excess of the limits as specified in Title 29, Maine Revised Statutes Annotated, on the town ways as described in the "Construction Area" and that single move permits will be issued for moving Contractor's construction equipment used on the project which exceeds the legal limits (shovels, bulldozers, etc.) to sources of construction material over town ways reasonably within the area of the project.

In the event it is necessary to transport gravel, borrow, or other construction material in legally registered vehicles carrying legal loads over town ways, a Contractor's Bond of not more than Nine Thousand (\$9,000.00) per kilometer of traveled length may be required by the town, the exact amount of said bond to be determined prior to use of any town way.

The maximum speed limits for trucks on any town way will be forty (40) km per hour [25 mph], unless a higher legal limit is specifically agreed upon in writing by the Municipal Officers concerned.



A PORTION OF CUMBERLAND COUNTY





SPECIAL PROVISION  
CONSTRUCTION AREA

Title 29A, M.R.S.A., Subsection 2383. Overlimit movement permits

1. Overlimit movement permits issued by State. The Secretary of State, acting under guidelines and advice of the Commissioner of Transportation, may grant permits to move non-divisible objects having a length, width, height or weight greater than specified in this Title over a way or bridge maintained by the Department of Transportation.
2. Permit Fee. The Secretary of State, with the advice of the Commissioner of Transportation, may set the fee for these permits, at not less than \$3, nor more than \$15, based on weight, height, length and width.
3. County and municipal permits. A permit may be granted, for a reasonable fee, by county commissioners or municipal officers for travel over a way or bridge maintained by that county or municipality.
4. Permits for weight. A vehicle granted a permit for excess weight must first be registered for the maximum gross vehicle weight allowed for that vehicle.
5. Special mobile equipment. The Secretary of State may grant a permit, for no more than one year, to move pneumatic-tire equipment under its own power, including Class A and Class B special mobile equipment, over ways and bridges maintained by the Department of Transportation. The fee for that permit is \$15 for each 30-day period.
6. Scope of permit. A permit is limited to the particular vehicle or object to be moved and particular ways and bridges.
7. Construction permits. A permit for a stated period of time may be issued for loads and equipment employed on public way construction projects, United States Government projects or construction of private ways, when within construction areas established by the Department of Transportation. The Permit:
  - A. Must be procured from the municipal officers for a construction area within that municipality;
  - B. May require the Contractor to be responsible for damage to ways used in the construction areas and may provide for:
    - (1) Withholding by the agency of the work of final payment under contract; or
    - (2) The furnishing of a bond by the Contractor to guarantee suitable repair or payment of damages.
  - C. May be granted by the Department of Transportation or by the state engineer in charge of the construction contract; and
  - D. For construction areas, carries no fee and does not come within the scope of this section.
8. Gross vehicle weight permits. The following may grant permits to operate a vehicle having a gross vehicle weight exceeding the prescribed limit:

- A. The Secretary of State, with the consent of the Department of Transportation, for state and state aid highways and bridges within city or compact village limits;
  - B. Municipal officers, for all other ways and bridges within that city and compact village limits; and
  - C. The county commissioners, for county roads and bridges located in unorganized territory.
9. Pilot vehicles and state police escorts. Pilot vehicles required by a permit must be equipped with warning lights and signs as required by the Secretary of State with the advice of the Department of Transportation.

Warning lights may only be operated and lettering on the signs may only be visible on a pilot vehicle while it is escorting on a public way a vehicle with a permit.

The Secretary of State shall require a State Police escort for a single vehicle or a combination of vehicles of 125 feet or more in length or 16 feet or more in width. The Secretary of State, with the advice of the Commissioner of Transportation, may require vehicles of lesser dimensions to be escorted by the State Police.

The Bureau of State Police shall establish a fee for State Police escorts.

All fees collected must be used to defray the cost of services provided.

With the advice of the Commissioner of Transportation and the Chief of the State Police, the Secretary of State shall establish rules for the operation for the operation of pilot vehicles.

10. Taxes paid. A permit for a mobile home may not be granted unless the applicant provides reasonable assurance that all property taxes, sewage disposal charges and drain and sewer assessments applicable to the mobile home, including those for the current tax year, have been paid or that the mobile home is exempt from those taxes.

1993, c. 683, § S-2, eff. January 1, 1995.

### Historical and Statutory Notes

#### Derivation:

R.S. 1954, c. 22 § 98  
Laws 1955, c. 389  
Laws 1967, c. 3.  
Laws 1971, c. 593, § 22.  
Laws 1973, c. 213.  
Laws 1975, c. 130, §  
Laws 1975, c. 319, § 2

Laws 1977, c. 73, § 5.  
Laws 1981, c. 413.  
Laws 1985, c. 225, § 1  
Laws 1987, c. 52.  
Laws 1987, 781, § 3.  
Laws 1989, c. 866, § B-13.  
Laws 1991, c. 388, § 8.  
Laws 1993, c. 683, § A-1.  
Former 29 M.R.S.A. § 2382.

#### Cross Reference

Collection by Secretary of State, See 29-A  
M.R.S.A. § 154.

SPECIAL PROVISION  
SECTION 104  
GENERAL RIGHTS AND RESPONSIBILITIES  
(Cooperation between Contractor and Utilities)

The Contractor shall plan and conduct operations such that the new Front Street intersection from Sta. 700+000 to Sta. 700+060 is constructed, including base pavement, prior to utility work in this area.

Existing pole #161 and pole #2 will remain as temporary poles until this work is complete. Once the entrance is complete, pole #2 can be removed and new pole #161 can be set. Verizon will then be able to transfer existing or install new cable to the new pole #161 on Front Street.

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**SPECIAL PROVISIONS**  
**SECTION 104**  
**Utilities**

**MEETING**

A Preconstruction Utility Conference, as defined in Subsection 104.4.6 of the Standard Specifications **is** required.

**GENERAL INFORMATION**

These Special Provisions outline the arrangements that have been made by the Department for utility work to be undertaken in conjunction with this project. The following list identifies all known utilities having facilities presently located within the limits of this project or intending to install facilities during project construction.

**Overview:**

<b>Utility/Railroad</b>	<b>Aerial</b>	<b>Underground</b>	<b>Railroad</b>
Central Maine Power Company	√		
Adelphia	√		
Verizon	√		
Harrison Water District		√	
Harrison Fire Department	√		

Temporary utility adjustments **are** anticipated.

Unless otherwise specified, any underground utility facilities shown on the project plans represent approximate locations gathered from available information. The Department cannot certify the level of accuracy of this data. Underground facilities indicated on the topographic sheets (plan views) have been collected from historical records and/or on-site designations provided by the respective utility companies. Underground facilities indicated on the cross-sections have been carried over from the plan view data and may also include further approximations of the elevations (depths) based upon straight-line interpolation from the nearest manholes, gate valves, or test pits.

All adjustments are to be made by the respective utility unless otherwise specified herein.

All utility crossings over highways will provide not less than 6 meters (20 feet) vertical clearance over finished grade elevation during construction of this project.

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Any times and dates mentioned are estimates only and are dependent upon favorable weather, working conditions, and freedom from emergencies. The Contractor shall have no claim against the Department if they are exceeded.

Utility companies, within the limits of the project, will provide a three working day notice to the Department's Resident prior to removing any trees or trimming any trees adjacent to their conductors.

Any clearing, cutting or trimming of single trees required for temporary or permanent utility locations will be subject to approval of the Department's Resident.

Fire hydrants shall not be disturbed until all necessary work has been accomplished to provide proper fire protection.

Utility working days are Monday through Friday, conditions permitting. Times are estimated on the basis of a single crew for each utility.

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## **AERIAL RELOCATION**

**\*\* A DEATEILED POLE LIST IS ATTACHED TO THIS SPECIAL PROVISION\*\***

### ***Summary: PHASE I Aerial***

	<b>Pole Set</b>	<b>New Wires/ Cables</b>	<b>Trans. Wires/ Cables</b>	<b>Remove Poles Days</b>	<b>Est.Wrkg Days Phase 1</b>
Central Maine Power Company phase 1	2	15	√	1	18
Adelphia Phase 1			20	-	20
Verizon Phase 1	7	25	-	5	37
Harrison Fire Department	-	1	-	-	1
<b>Total:</b>					<b>76</b>

### ***Utility Specific Issues:***

#### **Central Maine Power (CMP)**

CMP will be relocating approximately 3 poles and 5 anchors in the in town section, they will require 2 days to complete there initial pole set . After Verizon has completed there phase one pole set CMP will require 5 days notice to begin replacing there conductors in the phase I area and will complete this work in 15 working days. The CMP contact is: Gary Crabtree @ pager # 750-3205 or phone 791-8025.

#### **Harrison Fire Department**

The Town of Harrison /Fire Department has an aerial connection from the fire house on High street to a fire horn located in the Crystal Lake Park off Main Street. The transfer of this line to the new poles will take approx. 1 day and will be the responsibility of the Fire Department/Town of Harrison and will be moved after CMP completes there installation of the new primaries. CMP will give the fire department 5 days notice. The contact will be the Town Manager. Michael J Thorne @ 583-2241.

#### **Adelphia**

Following Central Maine Power Company's completion of transferring or installing new conductors, Adelphia intends to install new or transfer there existing cable to the new poles in the in town section. They will require 5 days notice and plan on completing the work in 20 working days. The contact at Adelphia is Steve Woodcock@ 623-3685 or pager 264-2699

#### **Verizon**

Verizon will begin by setting 15 new poles and anchors in the in town section of the project, this work will begin at approx. sta.10+140 and run thru sta.11+271 at the Crystal lake boat ramp and will take approx. 7 days .Existing pole #161 and pole #2 will remain as temporary poles until the contractor completes the new intersection of Front and Main street.(Please see special provision section 107.) After the intersection is complete pole #2 will be eliminated and a new pole #161

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will be set. Verizon will then either transfer existing or install new cable on the new poles. This will take approx. 25 working days.

After Verizon has completed their installation to the new poles, they will require 5 working days to remove the old poles. This will complete phase I .

The Verizon contact is Cory McDonald @797-1906 or cell phone 650-0899

***Summary: PHASE II Aerial***

	<b>Pole Set</b>	<b>New Wires/ Cables</b>	<b>Trans. Wires/ Cables</b>	<b>Remove Poles Days</b>		<b>Est.Wrg Days Phase 2</b>
Central Maine Power Company phase 2	-	15	-	-		15
	-	-		-		
Adelphia Phase 2	-	-	15	-		15
			-			
Verizon Phase 2	20	-	15	7		42
<b>Total:</b>						<b>72</b>

**NOTE TO CONTRACTOR:**

Before any utility work can begin on phase II along the Crystal Lake area Sta.11+320 to the end of the project, all clearing , cuts, ditching and fills must be completed to allow access for pole setting.

**VERIZON**

Verizon will be placing 57 poles and 28 anchors during phase II and will take 20 days to complete this task.(all clearing and ditching must be complete prior to start.)The Verizon contact is Cory McDonald.@797-1906

**CENTRAL MAINE POWER COMPANY**

CMP will then require 15 days to transfer there lines to the new poles and they would like 2 days notice. The contact is Gary Crabtree @791-8025

**ADELPHIA**

Adelphia will need 5 days notice to transfer their cable and will take 20 days to accomplish the task.

**VERIZON**

Verizon will need 5 days notice to begin transferring their cable, removing slack and replaces services. The work will take15 days. Verizon will then take approx. 7 days to remove 49 poles.

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## **SUBSURFACE**

### ***Summary: Phase I only***

Utility	Summary of Work	Estimate d Working Days
Harrison Water District	Move hydrants & adjust water main in phase one	See notes below
Verizon	Adjust underground duct bank during phase one	(8)Days See notes below
<b>Total:</b>		<b>-</b>

### ***Utility Specific Issues:***

#### **Harrison Water District**

Harrison Water District has a water main the entire length of the in town portion (sta. 10+160 to sta.11+240) of the project. The proposed underdrain should be installed with extreme caution to avoid any conflicts with the main or water services

The Contractor should **take notice:**

- (1)** That the existing water services are direct taped into the water main and will pull out with little effort.
- (2)** The water main material is Transite Pipe(Asbestos cement).
- (3)** The Contractor is required to contact the Harrison Water District 10 working days prior to any excavation. The contact person is Bill Winslow @Pager 471-7272 or cell phone 595-1601
- (4)** There are possible conflicts between the proposed under drain and the existing water main at the following locations.  
Sta.900+009 -6”main,10+955 -12”main,11+009 -12”main,11+040 -  
8”main.

Harrison Water District has entered into an agreement with the department to have the contractor adjust gate valves to grade or replace gate valve boxes in conjunction with the Contractor’s operation. The Harrison Water District will obtain a quote from the successful bidder at the pre construction meeting to perform any other water main adjustments, repairs or replacements once the contract begins. The water district reserves the right to perform the above work themselves and in all cases will be responsible for supplying all materials for water main, gate valves or gate valve box as necessary and will supply a representative to inspect all water main work at the districts expense. The contact is Bill Winslow @ 583-2204 or pager 471-7272 or cell phone @595-1601.



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### **Verizon**

Verizon has underground telephone duct bank through the in town portion of this project, sta. 10+300 through sta. 11+180. The Contractor shall use extreme caution during any excavation activity, to ensure no damage to Verizon's cable. In areas of pipe installation, or any other excavation, Verizon may elect to have a representative on site to assist in the location of the buried cable. The Contractor is required to contact Verizon 10 working days prior to any excavation.

Verizon will use their subcontractor (Tel-Power) for re-arrangement of their underground duct bank as follows:

Sta. 10+303 Lt Transfer existing riser cable/conduit to new pole. TS480 P149

Sta. 10+590 Lt to 10+640 Lt Contractor to excavate existing conduit, breakout cables, excavate new trench, shift cables, place split duct, and encase w/ concrete.

**Note:** This work should be coordinated w/MDOT contractor to place the new CB25L, MH25A, and drain pipe first.

Sta. 11+117 Rt. To 11+170 Rt, - P170 to Verizon Central Office. Existing conduit is empty and will be abandoned. Conduit will be separated from the other formation at Sta. 11+170. Conduit may be removed during ditching operations.

Sta. 11+170 Rt to 11+220 Rt. Verizon Central Office to pole 172. Contractor to excavate existing conduit, break out fiber cable, and place new conduit from building to P171 (20'). Fiber cable to be relocated to aerial strand and the conduit abandoned.

**Note:** Cable must be moved before ditching operations.

### **BLASTING**

In addition to any other notice that may be required, the Contractor shall pay particular attention to any aerial or underground utilities within the blasting area. The Contractor shall also notify an authorized representative of each utility having plant close to the site no later than Forty-Eight (48) hours before the intended blast. The notice shall state the approximate time and location of the blast.

### **SAFE PRACTICES AROUND UTILITY FACILITIES**

The Contractor shall be responsible for complying with M.R.S.A. Title 35-A, Chapter 7-A Sections 751 - 761 Overhead High-Voltage Line Safety Act. Prior to commencing any work that may come within ten (10) feet of any aerial electrical line, the Contractor shall notify the aerial utilities as per Section 757 of the above act

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### **MAINTAINING UTILITY LOCATION MARKINGS**

The Contractor will be responsible for maintaining the buried utility location markings following the initial locating by the appropriate utility or their designated representative.

### **DIG SAFE**

The Contractor shall be responsible for determining the presence of underground utility facilities prior to commencing any excavation work and shall notify utilities of proposed excavation in accordance with M.R.S.A. Title 23 §3360-A, Maine “Dig Safe” System.

### **SIGNING**

Any utility working within the construction limits of this project shall ensure that the traveling public is adequately protected at all times. All work areas shall be signed, lighted and flaggers employed as field conditions determine. All traffic controls shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices for streets and highways, as issued by the Federal Highway Administration.

**THE CONTRACTOR SHALL PLAN AND CONDUCT HIS WORK ACCORDINGLY.**

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**\*\*POLE LIST\*\***

Tel #	Elco #	Station	Lt	Rt	Existing offset(m)	Proposed offset(m)	Cut(m/ft)	Description	Remarks
<b>TS 266</b>	<b>STATE</b>	<b>RTE 117</b>							
P145 old	No Elco	?	X					Vz remove existing pole.	Eliminate dual pole line. Beginning of Project.
P146 old	No Elco	10+174	X		7.60		0.0m/	Vz remove existing pole.	Conflict w/new radius for Depot St. Dual pole line.
<b>P146 old</b>	<b>P1</b>	<b>10+180</b>		<b>X</b>	<b>9.20</b>		<b>0.0m/</b>	<b>Vz place anchor.</b>	<b>Existing pole is not in conflict.</b>
P147 old	P2	10+228	X		3.70		0.0m/	Vz remove existing pole.	Conflict w/curb/underdrain installation.
<b>P147 new</b>	<b>P2</b>	<b>10+230</b>	<b>X</b>			<b>6.10</b>	<b>0.0m/</b>	<b>Vz place 40'4 pole, anchor.</b>	<b>Place pole 5' back of curb.</b>
P148 old	P2 1/2	10+265	X		4.50		0.0m/	Vz remove existing pole.	Conflict w/curb/underdrain installation.
<b>P148 new</b>	<b>P2 1/2</b>	<b>10+265</b>	<b>X</b>			<b>6.30</b>	<b>0.0m/</b>	<b>Vz place 40'4 pole.</b>	<b>Conflict w/curb/underdrain installation.</b>
P149 old	P3	10+303	X		5.10		0.2m/fill	Vz remove existing pole.	Conflict w/curb/underdrain. Tel riser conduits/cable.
<b>P149 new</b>	<b>P3</b>	<b>10+303</b>	<b>X</b>			<b>6.50</b>	<b>0.0m/</b>	<b>Vz place 40'4 pole, anchor.</b>	<b>Vz to move conduit/cables to new location.</b>
P150 old	P4	10+341	X		8.00			Vz remove existing pole.	Tel has no attachments. Conflict w/curb radius.
<b>No Telco</b>	<b>P4</b>	<b>10+340</b>	<b>X</b>			<b>6.70</b>	<b>0.0m/</b>	<b>CMP place 45'3 pole, anchor.</b>	<b>Only Elco and Catv on pole.</b>
<b>TEL RT 7</b>	<b>STATE</b>	<b>RTE 35</b>							
P11	P1	300+019		X	6.50			<b>Pole in conflict w/ proposed ditch</b>	<b>Telco riser conduits/cable on pole. Proposed ditch cancelled in re-design. Existing pole to remain.</b>
<b>TS 266</b>	<b>STATE</b>	<b>RTE 117 &amp;</b>		<b>35</b>					
P151S	P5	10+395	X		3.60		0.4m/fill	Vz remove existing pole.	Pole is in proposed roadway.
<b>P152 new</b>	<b>P5</b>	<b>10+406.1</b>	<b>X</b>			<b>6.60</b>	<b>0.3m/fill</b>	<b>Vz place 45'3 pole. CMP place anchor.</b>	<b>Pole to be behind new sidewalk. Vz conduit is in area. Vz to have drops only on pole.</b>
P151D	P6.1	10+412	X		11.50		0.0m/	Vz remove existing pole.	Pole being eliminated. Wire xing easement req'd.
No Telco	P6	10+441		X	10.40		0.0m/	CMP remove existing pole.	Eliminate pole from Marina's yard.
<b>P153 new</b>	<b>P6</b>	<b>10+455.5</b>	<b>X</b>			<b>6.40</b>	<b>0.0m/</b>	<b>Vz place 40'4 pole, anchor.</b>	<b>Place pole behind sidewalk. Vz cable to dead end here. Pole to be set as close to wall as possible.</b>
P153 old	P7	10+490		X	7.20		0.0m/	Vz remove existing pole.	May be left for service to #9 Main St unless customer places

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									masts for services.
<b>P154 new</b>	<b>P8</b>	<b>10+501</b>	<b>X</b>			<b>6.50</b>	<b>0.0m/</b>	<b>Vz place 40'4 pole, anchor.</b>	Place pole behind sdwk. <b>MDOT rm large pine.</b> Take off pole for Chute Street. <b>Caution: Water services near location.</b>
P154 old	P8	10+508		X	5.50		0.0m/	Vz remove existing pole.	Pole eliminated by new P154.
P155 old	P9	10+547		X	5.60		0.0m/	Vz remove existing pole.	Pole replaced for height and condition.
<b>P155 new</b>	<b>P9</b>	<b>10+547</b>		<b>X</b>		<b>6.90</b>	<b>0.0m/</b>	<b>Vz place 40'4 pole, anchor.</b>	<b>Place pole 1.5m behind curb min. Need anchor.</b>
P156 old	P10	10+582		X	8.40		0.0m/	No work required.	Existing pole is okay.
<b>P157-1</b>	<b>P11.1</b>	<b>10+608</b>		<b>X</b>	<b>8.70</b>		<b>0.1m/</b>	<b>Existing pole to remain</b>	<b>Property owner contacted about replacing service. No response by 7/31/03. No work planned at this location.</b>
P157 old	P11	10+620	X		6.20		0.2m/	No work required.	Existing pole is okay and at back of sidewalk. New CB 25L & MH 25A are close, may need to hold pole. Trim required to move pole away from structures.
P158 old	P12	10+658	X		12.10		0.2m/fill	No work required.	Existing pole is okay and at back of sidewalk.
P158-old	P12.1	10+666		X	11.00		0.0m/	No work required.	Existing pole is okay and at back of sidewalk.
No Telco	P13.01	10+704	X		14.50			Elco service only	
P159 old	P13	10+709		X	4.50			Vz remove existing pole.	Replace for condition/proposed CB 20R is 6' from pole.
<b>P159 new</b>	<b>P13</b>	<b>10+709</b>		<b>X</b>		<b>6.10</b>		<b>Vz place 45'3 pole, anchor</b>	<b>Place as close as possible to avoid trim for Lincoln St take-off. Could MDOT shift CB for clearance?</b>
P160 old	P14	10+751		X	5.79			Vz remove existing pole.	Pole replaced for condition.
<b>P160 new</b>	<b>P14</b>	<b>10+751</b>		<b>X</b>		<b>6.10</b>		<b>Vz place 45'3 pole.</b>	<b>Location limited by retaining wall.</b>
P161 old	P15	10+779		X	8.90			Vz remove existing pole.	Pole replaced to clear new driveway.
<b>P161 new</b>	<b>P15</b>	<b>10+785</b>		<b>X</b>		<b>10.00</b>		<b>Vz place 45'3 pole, anchor</b>	<b>New location in existing pavement area(need protection). Take-off for Front St for Elco/catv. Revised 7/17 to adjust for r/w limitations.</b>
No Telco	P2	10+796		X	17.40			Elco to remove	Pole to be eliminated.
P162 old	P16	10+818	X		9.50			Vz remove existing pole.	Pole to be relocated across street. Clears area for drainage work.

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P162 S old	P16S	10+818	X		38.00			Vz remove existing pole.	Pole eliminated by moving P162 across street.
<b>P162 new</b>	<b>P16</b>	<b>10+835</b>		<b>X</b>		<b>10.00</b>		<b>Vz place 40'4 pole, anchor</b>	<b>Red maple tree removals shown by MDOT req'd. Maintain 6' clearance from hydrant</b>
P163 old	P17	10+843	X		10.00			Vz remove existing pole.	Pole eliminated by moving P162 across street.
P164- old	P17.1	10+856		X	13.40			Vz remove existing pole.	Pole replaced for condition.
<b>P162-1 new</b>	<b>P16.1</b>	<b>10+856</b>		<b>X</b>		<b>13.40</b>		<b>Elco place 35'4 pole</b>	<b>For service to Town office, payphones, and Insurance Co.</b>
P164 old	P18	10+874	X		6.50			Vz remove existing pole.	Conflict w/ new curb radius for Mill St. Move across road.
<b>P164 new</b>	<b>P18</b>	<b>10+878</b>		<b>X</b>		<b>8.00</b>		<b>Vz place 45'3 pole, anchor.</b>	<b>Becomes new take-off pole for Temple St. Eliminates the stub pole. Offset changed 7/17 to meet r/w limitations. Pole to be at back of sdwk.</b>
P164S old	P18S	10+877		X	9.80			Vz remove existing pole.	New P164 eliminates the stub pole.
P165 old	P19	10+917	X		5.90			Vz add anchor, sidewalk guy.	Pole location allowed to avoid extensive trim to move behind proposed sidewalk. Pole to remain in esplanade area.
P166 old	P20	10+962	X		5.50			Existing pole to remain.	Pole location allowed to avoid extensive trim to move behind proposed sidewalk. Pole remains in esplanade area.
P166PB old	P20PB	10+962	X		9.50			Existing pole to remain.	See above.
P167 old	P21	11+005	X		8.50			Existing pole to remain.	Existing pole is behind sidewalk.
P1 old	P1	11+006		X	12.80			Replace pole across street/place stub pole?	Pole to remain and leave existing pole to pole guying to new P7 Dawes Hill Road.
P7S old	P22S	1100+022		X	7.00			Vz remove existing pole.	Dawes Hill Rd "
<b>P7 new</b>	<b>P22</b>	<b>1100+023</b>		<b>X</b>		<b>7.00</b>		<b>Vz place 40'4 pole, anchor.</b>	<b>Dawes Hill Rd Set at old P7S location as mainline pole</b>
P7 old	P22	1100+016.6		X	2.50			Vz remove existing pole.	" "
P8 old	P22 old	11+074	X		8.00			Existing pole to remain.	" "
P168 old	P1/2	11+051		X	5.00			Vz remove existing pole.	Intersection w/Dawes Hill Rd being re-aligned.
<b>P168 new</b>	<b>P1/2</b>	<b>11+058</b>		<b>X</b>		<b>6.30</b>	<b>0</b>	<b>Vz Place 40'4 pole, Anchor</b>	<b>Move ahead 23', locate 5' back of new curb. No add'l r/w from town at 11+020 Lt per MDOT.</b>
P169 old	P1	11+084		X	5.80			Vz remove existing pole.	Pole eliminated by moving new P168 ahead.
<b>P169 new</b>	<b>P1</b>	<b>11+084</b>		<b>X</b>		<b>6.30</b>		<b>Vz place 40'4 pole</b>	<b>Replace pole for setback. Needed for service.</b>

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P170	P2	11+117		X	6.30				Existing pole okay. Slight fill proposed, 2' rule applies.
									Conduit from P170 to Vz Bldg may conflict w/ditch. Vz to abandon the conduit from P170 to the Vz bldg. Contractor may remove during ditching operations.
P171	P3	11+168		X	7.00			Existing pole to remain.	Existing pole okay, directly in front of Verizon Office.
P172 old	P4	11+220		X	8.70		1.6m/	Vz remove existing pole	Replace pole and breakout the fiber optic cable from the conduit from P172 back to the Vz office. Fiber cable will be placed in new split duct to P171 and aerial from P171 to new P172. Vz contractor to complete this work prior to ditching operations.
<b>P172 new</b>	<b>P4</b>	<b>11+220</b>		<b>X</b>		<b>8.70</b>	<b>1.6m/</b>	<b>Vz Place 40'4 pole.</b>	Required for ditching.
P173	P5	11+271		X	12.50		0		Existing pole okay. No grade change at pole.
P174 old	P6	11+321		X	7.30		0.8m/	Vz remove existing pole	Replace pole for grade cut.
<b>P174 new</b>	<b>P6</b>	<b>11+321</b>		<b>X</b>		<b>8.70</b>	<b>0.8m/2.6'</b>	<b>Vz Place 40'4 pole.</b>	<b>Requires clearing and slope grading.</b>
P175 old	P7	11+366		X	6.30		1.5m/	Vz remove existing pole	Requires clearing and slope grading.
<b>P175 new</b>	<b>P7</b>	<b>11+366</b>		<b>X</b>		<b>8.70</b>	<b>1.1m/</b>	<b>Vz place 45'3 pole.</b>	<b>Requires clearing and slope grading.</b>
P176 old	P8	11+414		X	6.50		1.0m/	Vz remove existing pole	Requires clearing and slope grading.
<b>P176 new</b>	<b>P8</b>	<b>11+414</b>		<b>X</b>		<b>8.70</b>	<b>2.2m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing and slope grading.</b>
P177 old	P9	11+458		X	7.10		1.6m/	Vz remove existing pole	Requires clearing and slope grading.
<b>P177 new</b>	<b>P9</b>	<b>11+462</b>		<b>X</b>		<b>8.70</b>	<b>2.1m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading/Move ahd/culvert</b>
P178 old	P10	11+506		X	7.70		1.2m/	Vz remove existing pole	Requires clearing/slope grading. Move bk 1 m.
<b>P178 new</b>	<b>P10</b>	<b>11+505</b>		<b>X</b>		<b>8.70</b>	<b>0.7m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading. Move bk 1 m.</b>
P179 old	P11	11+556		X	8.20		0.2m/	Vz remove existing pole	Minor ditching at this location.
<b>P179 new</b>	<b>P11</b>	<b>11+556</b>		<b>X</b>		<b>8.70</b>	<b>0.0m/</b>	<b>Vz place 40'4 pole.</b>	<b>Minor ditching at this location.</b>
P180 old	P12	11+601		X	6.10		0.4m/	Vz remove existing pole	Requires clearing/slope grading.
<b>P180 new</b>	<b>P12</b>	<b>11+601</b>		<b>X</b>		<b>8.70</b>	<b>2.6m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
P181 old	P13	11+648		X	6.40		0.3m/	Vz remove existing pole	Requires clearing/slope grading

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<b>P181 new</b>	<b>P13</b>	<b>11+648</b>				<b>8.70</b>	<b>0.6m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
P182S old	P14S	11+693	X		6.10		0.7m/fill	Vz remove existing pole	Fill area behind guardrail.
<b>P182S new</b>	<b>P14S</b>	<b>11+693</b>	<b>X</b>			<b>6.00</b>	<b>0.7m/fill</b>	<b>Vz place 40'4 pole.</b>	<b>Fill area behind guardrail. Pole 1 m behind post.</b>
P182 old	P14	11+703		X	5.50		0.6m/fill	Vz remove existing pole	Slight fill around existing pole.
<b>P182 new</b>	<b>P14</b>	<b>11+703</b>		<b>X</b>		<b>8.70</b>	<b>1.6m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
P183 old	P15	11+745		X	6.80		0.0m/	Vz remove existing pole	No grade change, replace for alignment
<b>P183 new</b>	<b>P15</b>	<b>11+745</b>		<b>X</b>		<b>8.70</b>	<b>0.0m/</b>	<b>Vz place 40'4 pole.</b>	<b>No grade change, replace for alignment</b>
<b>P183S new</b>	<b>P15S</b>	<b>11+745</b>	<b>X</b>			<b>6.00</b>	<b>0.6m/fill</b>	<b>Vz place 35'4 pole, anchor.</b>	<b>New stub pole req'd/corner/service/Guardrail area</b>
P184 old	P16	11+795		X	7.00		0.8m/	Vz remove existing pole	At beginning of new ditch.
<b>P184 new</b>	<b>P16</b>	<b>11+795</b>		<b>X</b>		<b>8.70</b>	<b>1.2m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
P185S old	P17S	11+827	X		9.00		0.0m/	Vz remove existing pole.	Replace for vertical clearance.
<b>P185S new</b>	<b>P17S</b>	<b>11+827</b>	<b>X</b>			<b>9.00</b>	<b>0.0m/</b>	<b>Vz place 35'4 pole, anchor.</b>	
P185 old	P17	11+827		X	5.30		0.2m/fill	Vz remove existing pole.	Replace for vertical/horizontal clearance.
<b>P185 new</b>	<b>P17</b>	<b>11+827</b>		<b>X</b>		<b>8.70</b>	<b>1.4m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
P186 old	P18	11+883		X	9.80		0.7m/	Vz remove existing pole.	Replace for horizontal clearance.
<b>P186 new</b>	<b>P18</b>	<b>11+883</b>		<b>X</b>		<b>8.70</b>	<b>1.2m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
<b>P186S new</b>	<b>P18S</b>	<b>11+883</b>	<b>X</b>			<b>6.00</b>	<b>0.0m/</b>	<b>Vz place 35'4 pole, anchor.</b>	<b>New stub pole req'd for alignment/Guardrail area</b>
P187 old	P19	11+944		X	9.50		0.3m/	Vz remove existing pole.	Replace for vertical/horizontal clearance.
<b>P187 new</b>	<b>P19</b>	<b>11+944</b>		<b>X</b>		<b>8.70</b>	<b>0.6m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
<b>P187S new</b>	<b>P19S</b>	<b>11+944</b>	<b>X</b>			<b>6.00</b>	<b>0.0m/</b>	<b>Vz place 35'4 pole, anchor.</b>	<b>New stub pole req'd for alignment/Guardrail area</b>
P188 old	P20	12+002		X	7.50		1.3m/	Vz remove existing pole.	Replace for horizontal clearance.
<b>P188 new</b>	<b>P20</b>	<b>12+002</b>		<b>X</b>		<b>8.70</b>	<b>1.2m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
P189 old	P21	12+058		X	6.00		0.5m/	Vz remove existing pole.	Replace for horizontal clearance.
<b>P189 new</b>	<b>P21</b>	<b>12+058</b>		<b>X</b>		<b>8.70</b>	<b>1.2m/</b>	<b>Vz place 40'4 pole, anchor.</b>	<b>Requires clearing/slope grading.</b>
P190 old	P22	12+112		X	5.00		0.9m/fill	Vz remove existing pole.	Replace for horizontal clearance.

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<b>P190 new</b>	<b>P22</b>	<b>12+112</b>		<b>X</b>		<b>8.70</b>	<b>0.7m/</b>	<b>Vz place 40'4 pole, anchor.</b>	<b>Requires clearing/slope grading.</b>
P191 old	P23	12+162		X	6.00		0.0m/	Vz remove existing pole.	Replace for horizontal clearance and from culvert.
<b>P191 new</b>	<b>P23</b>	<b>12+160</b>		<b>X</b>		<b>8.70</b>	<b>1.4m/</b>	<b>Vz place 40'4 pole, anchor.</b>	<b>Requires clearing/slope grading. Primary takeoff.</b>
P191PB old	P23PB	12+162		X	13.00		0.0m/	Vz remove existing pole.	Replace in conjunction w/ P191.
<b>P191PB new</b>	<b>P23PB</b>	<b>12+160</b>		<b>X</b>		<b>15.70</b>	<b>0.0m/</b>	<b>Vz place 35'4 pole.</b>	<b>Requires clearing/slope grading.</b>
P192 old	P24	12+214		X	5.70		0.0m/	Vz remove existing pole.	Replace for horizontal clearance.
<b>P192 new</b>	<b>P24</b>	<b>12+214</b>		<b>X</b>		<b>8.70</b>	<b>0.9m/fill</b>	<b>Vz place 40'4 pole, anchor.</b>	<b>Requires clearing/slope grading.</b>
P193 old	P25	12+262		X	6.00		0.6m/	Vz remove existing pole.	Replace for horizontal clearance.
<b>P193 new</b>	<b>P25</b>	<b>12+262</b>		<b>X</b>		<b>8.70</b>	<b>1.3m/</b>	<b>Vz place 40'4 pole, anchor.</b>	<b>Requires clearing/slope grading.</b>
P194 old	P26	12+308		X	7.00		1.3m/	Vz remove existing pole.	Replace for horizontal clearance.
<b>P194 new</b>	<b>P26</b>	<b>12+308</b>		<b>X</b>		<b>8.70</b>	<b>0.9m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
<b>P194S new</b>	<b>P26S</b>	<b>12+308</b>	<b>X</b>			<b>6.00</b>	<b>0.4m/fill</b>	<b>Vz place 35'4 pole, anchor.</b>	<b>New stub pole req'd for alignment/Guardrail area</b>
P195 old	P27	12+355		X	7.00		0.0m/	Vz remove existing pole.	Replace for horizontal clearance.
<b>P195 new</b>	<b>P27</b>	<b>12+355</b>		<b>X</b>		<b>9.50</b>	<b>0.0m/</b>	<b>Vz place 40'4 pole.</b>	<b>Set @9.5m to avoid stub pole. Req'd clearing</b>
P196 old	P28	12+404		X	2.40		0.2m/fill	Vz remove existing pole.	Replace for horizontal clearance.
<b>P196 new</b>	<b>P28</b>	<b>12+406</b>		<b>X</b>		<b>8.70</b>	<b>0.2m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
P196S old	P28S	12+404	X		7.80		0.4m/fill	Vz remove existing pole.	Replace for vertical clearance.
<b>P196S new</b>	<b>P28S</b>	<b>12+406</b>	<b>X</b>			<b>6.00</b>	<b>0.4m/fill</b>	<b>Vz place 35'4 pole, anchor.</b>	<b>New stub pole req'd for alignment/Guardrail area</b>
P197 old	P29	12+456		X	4.80		0.6m/	Vz remove existing pole.	Replace for horizontal clearance.
<b>P197 new</b>	<b>P29</b>	<b>12+457</b>		<b>X</b>		<b>8.70</b>	<b>0.3m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
<b>P197S new</b>	<b>P29S</b>	<b>12+457</b>	<b>X</b>			<b>6.00</b>	<b>0.4m/fill</b>	<b>Vz place 35'4 pole, anchor.</b>	<b>New stub pole req'd for alignment/Guardrail area</b>
P198 old	P30	12+507		X	5.50		0.6m/	Vz remove existing pole.	Replace for horizontal clearance.
<b>P198 new</b>	<b>P30</b>	<b>12+507</b>		<b>X</b>		<b>9.50</b>	<b>0.3m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
P199 old	P31	12+552		X	5.70		0.0m/	Vz remove existing pole.	Replace for horizontal clearance.
<b>P199 new</b>	<b>P31</b>	<b>12+552</b>		<b>X</b>		<b>8.70</b>	<b>0.4m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
<b>P199S new</b>	<b>P31S</b>	<b>12+552</b>	<b>X</b>			<b>6.00</b>	<b>0.2m/fill</b>	<b>Vz place 35'4 pole, anchor.</b>	<b>New stubpole req'd for alignment/Guardrail area</b>



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P200 old	P32	12+584		X	4.40			Vz remove existing pole.	Replace for horizontal clearance. Conflict W/underdrain
<b>P200 new</b>	<b>P32</b>	<b>12+584</b>		<b>X</b>		<b>9.60</b>	<b>0.7m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
P201 old	P33	12+629		X	7.10		1.4m/	Vz remove existing pole.	Replace for horizontal clearance.
<b>P201 new</b>	<b>P33</b>	<b>12+629</b>		<b>X</b>		<b>8.70</b>	<b>0.9m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
P201S old	P33.1	12+634	X		7.00		0.0m/	Vz remove existing pole.	Replace for vertical clearance.
<b>P201S new</b>	<b>P33.1</b>	<b>12+634</b>	<b>X</b>			<b>7.00</b>	<b>0.0m/</b>	<b>Vz place 35'4 pole, anchor.</b>	<b>Replace behind guardrail.</b>
P202 old	P34	12+668		X	8.40		0.7m/	Vz remove existing pole.	Replace for horizontal/vertical clearance.
<b>P202 new</b>	<b>P34</b>	<b>12+668</b>		<b>X</b>		<b>9.00</b>	<b>0.7m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
P203 old	P35	12+718		X	8.20		0.0m/	Vz remove existing pole.	Replace for horizontal clearance.
<b>P203 new</b>	<b>P35</b>	<b>12+718</b>		<b>X</b>		<b>9.00</b>	<b>0.0m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
P204 old	P36	12+765		X	7.40		1.5m/	Vz remove existing pole.	Replace for horizontal/vertical clearance.
<b>P204 new</b>	<b>P36</b>	<b>12+765</b>		<b>X</b>		<b>9.50</b>	<b>0.8m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
P205 old	P37	12+807		X	5.70		1.1m/	Vz remove existing pole.	Replace for horizontal/vertical clearance.
<b>P205 new</b>	<b>P37</b>	<b>12+807</b>		<b>X</b>		<b>8.70</b>	<b>0.7m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
P205S old	P37S	12+807	X		8.50		0.0m/	Vz remove existing pole.	Replace for vertical clearance.
<b>P205S new</b>	<b>P37S</b>	<b>12+807</b>	<b>X</b>			<b>7.00</b>	<b>0.1m/</b>	<b>Vz place 35'4 pole, anchor.</b>	<b>Replace behind guardrail.</b>
P206 old	P38	12+853		X	9.50		0.3m/	Vz remove existing pole.	Replace for horizontal clearance, ditching.
<b>P206 new</b>	<b>P38</b>	<b>12+856</b>		<b>X</b>		<b>8.70</b>	<b>0.3m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
<b>P206S new</b>	<b>P38S</b>	<b>12+856</b>	<b>X</b>			<b>7.00</b>	<b>0.0m/</b>	<b>Vz place 35'4 pole, anchor.</b>	<b>New stub pole req'd for alignment/Guardrail area/</b>
P207 old	P39	12+902		X	8.10		2.2m/	Vz remove existing pole.	Replace for horizontal clearance, ditching.
<b>P207 new</b>	<b>P39</b>	<b>12+902</b>		<b>X</b>		<b>10.60</b>	<b>1.6m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
P208 old	P40	12+946		X	8.80		1.7m/	Vz remove existing pole.	Replace for horizontal clearance, ditching.
<b>P208 new</b>	<b>P40</b>	<b>12+946</b>		<b>X</b>		<b>8.70</b>	<b>1.7m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
<b>P208S new</b>	<b>P40S</b>	<b>12+946</b>	<b>X</b>			<b>7.00</b>	<b>0.0m/</b>	<b>Vz place 35'4 pole, anchor.</b>	<b>New stub pole req'd for alignment/Guardrail area</b>
P209 old	P41	12+991		X	7.10		0.9m/	Vz remove existing pole.	Replace for ditching.
<b>P209 new</b>	<b>P41</b>	<b>12+991</b>		<b>X</b>		<b>8.70</b>	<b>0.6m/</b>	<b>Vz place 40'4 pole.</b>	<b>Requires clearing/slope grading.</b>
P210	P42	13+036		X	5.10		0.5m/	Vz remove existing	Replace for ditching.

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old								pole.	
<b>P210 new</b>	<b>P42</b>	<b>13+036</b>		<b>X</b>		<b>8.70</b>	<b>1.5m/</b>	<b>Vz place 40'4 pole, anchor.</b>	<b>Requires clearing/slope grading.</b>
P211 old	P43	13+080		X	4.50		0.0m/	Vz remove existing pole.	Replace for ditching. Clearance from Catch basin.
<b>P211 new</b>	<b>P43</b>	<b>13+077.5</b>		<b>X</b>		<b>8.70</b>	<b>1.2m/</b>	<b>Vz place 40'4 pole, anchor.</b>	<b>Requires clearing/slope grading.</b>
P211S old	P43S	13+080	X		6.30		0.0m/	Vz remove existing pole.	Replace in conjunction w/P211. May be eliminated.
<b>P211S new</b>	<b>P43S</b>	<b>13+077.5</b>	<b>X</b>			<b>7.00</b>	<b>0.0m/</b>	<b>Vz place 35'4 pole, anchor.</b>	<b>Replace in conjunction w/P211. Maybe eliminated</b>
P212 old	P44	13+122.5		X	7.00		0.5m/	Vz remove existing pole.	Replace for ditching. Clearance from Trail
<b>P212 new</b>	<b>P44</b>	<b>13+123.5</b>		<b>X</b>		<b>8.70</b>	<b>0.0m/</b>	<b>Vz place 40'4 pole, anchor.</b>	<b>Requires clearing/slope grading.</b>
P213 old	P45	13+164		X	6.20		1.6m/	Vz remove existing pole.	Replace for ditching.
<b>P213 new</b>	<b>P45</b>	<b>13+164</b>		<b>X</b>		<b>8.70</b>	<b>1.3m/</b>	<b>Vz place 40'4 pole, anchor.</b>	<b>Requires clearing/slope grading.</b>
P214 old	P46	13+216		X	9.60		2.2m/	Vz remove existing pole.	Replace for ditching.
<b>P214 new</b>	<b>P46</b>	<b>13+216</b>		<b>X</b>	<b>9.60</b>		<b>2.2m/</b>	<b>Vz place 45'3 pole, anchor.</b>	<b>Requires clearing/slope grading.</b>
P215 old	P47	13+270		X	9.40		1.0m/	Vz reset 40' pole pl'd in 1999	Affected by new back slope grading. Older pole rm'd.
<b>P215S new</b>	<b>P47S</b>	<b>13+275.5</b>	<b>X</b>			<b>7.00</b>	<b>0.0m/</b>	<b>Vz place 35'4 pole, anchor.</b>	<b>Eliminate guying to the roadway at P215.</b>
End of Project.									

Revised 6/9/2003

Revised 6/23/2003 to reflect field review on  
6/20/2003.

*Revised 7/17/2003 to reflect r/w  
limitations.*

*Revised 7/31/2003 to show changes from Pre-coordination Mtg.*

*Revised 8/8/2003 to show pole size change requested by  
CMP(+5')*

SPECIAL PROVISION  
SECTION 104  
LANDSCAPING

104.5.9 Landscape Subcontractors The Contractor shall retain only Landscape Subcontractors that are certified by the Department's Environmental Office's Landscape Unit

110.2.1 Bonds 2<sup>nd</sup> sentence add "The Department will require a Landscape Maintenance Bond (See Section 110.2.3) for all 621, Landscape, Pay Items,"

110.2.3 Bonding for Landscape Establishment Period The Contractor shall provide a signed, valid, and enforceable Performance, Warranty, or Maintenance Bond complying with the Contract, to the Department at Final Acceptance.

All Bonds shall be procured from a company organized and operating in the United States, licensed or approved to do business in the State of Maine by the State of Maine Department of Business Regulation, Bureau of Insurance, and listed on the latest Federal Department of the Treasury listing for "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies."

The bonds shall each be in the full amount for all Pay Items for work pursuant to Section 621 - Landscape, payable to the "Treasurer - State of Maine," and on the Department's forms, on exact copies thereof, or on forms that do not contain any significant variations from the Department's forms as solely determined by the Department.

By issuing a bond, the Surety agrees to be bound by all terms of the Contract, including those related to payment, time for performance, quality, warranties, and the Department's self-help remedy provided in Section 112.1 - Default to the same extent as if all terms of the Contract are contained in the bond(s).

Regarding claims related to any obligations covered by these bonds, the Surety shall provide, within 60 Days of Receipt of written notice thereof, full payment of the entire claim or written notice of all bases upon which it is denying or contesting payment. Failure of the Surety to provide such notice within the 60-day period constitutes the Surety's waiver of any right to deny or contest payment and the Surety's acknowledgment that the claim is valid and undisputed.

The Contractor shall pay all premiums and take all other actions necessary to keep said bond in effect for the duration of the Landscape Establishment Period, Sec 621.0036. If the Surety becomes financially insolvent, ceases to be licensed or approved to do business in the State of Maine, or stops operating in the United States, the Contractor shall file new bonds complying with this Section within 10 Days of the date the Contractor is notified or becomes aware of such change.

621.0036 Establishment Period Change “time of Final Acceptance” to “end of the period of establishment” in paragraph 4 & 5.

In paragraph 7 1<sup>st</sup> & 2<sup>nd</sup> sentence change “Final Acceptance date” to “end of the period of establishment”, 3<sup>rd</sup> sentence change “date of Final Acceptance” to “end of the period of establishment”.

Town:Harrison  
PIN #:8473.00  
Date:2/7/03

SPECIAL PROVISION  
SECTION 105  
General Scope of Work  
(Environmental Requirements)

Instream Work shall not be allowed between the dates of 10/2 and 7/14.  
(Instream work is allowed from 7/15 to 10/1.)

Stream Name(s) with Station #s:Waterway 10+670 Connecting Crystal Lake to Long Lake,  
Unnamed 11+205 and Unnamed 11+290  
Special Conditions: Follow BMP's

Instream work consists of any activity conducted below normal high water mark.

All activities are prohibited (including placement and removal of cofferdams) below normal high water during the instream work window restriction, except for the following:

- Work within a sealed and dewatered cofferdam. Maintenance pumping within a sealed cofferdam is also allowed.

No construction activity, whether temporary or permanent, is allowed that completely blocks a river, stream, or brook without providing downstream flow.

The contractor shall abide by all permits and conditions.

**SPECIAL PROVISION**  
**SECTION 105**  
**General Scope of Work**

The Contractor shall ensure that appropriate access to local businesses, residences, and other property is maintained. The Contractor shall not store or park any material or equipment that will interfere with normal business operations.

Walkway access shall be maintained at all times throughout the construction period and during suspended periods of work. Temporary sidewalks shall be constructed as needed or as directed by the Resident, to maintain pedestrian access and to ensure public convenience. All such work shall be incidental to Section 652, Maintenance of Traffic.

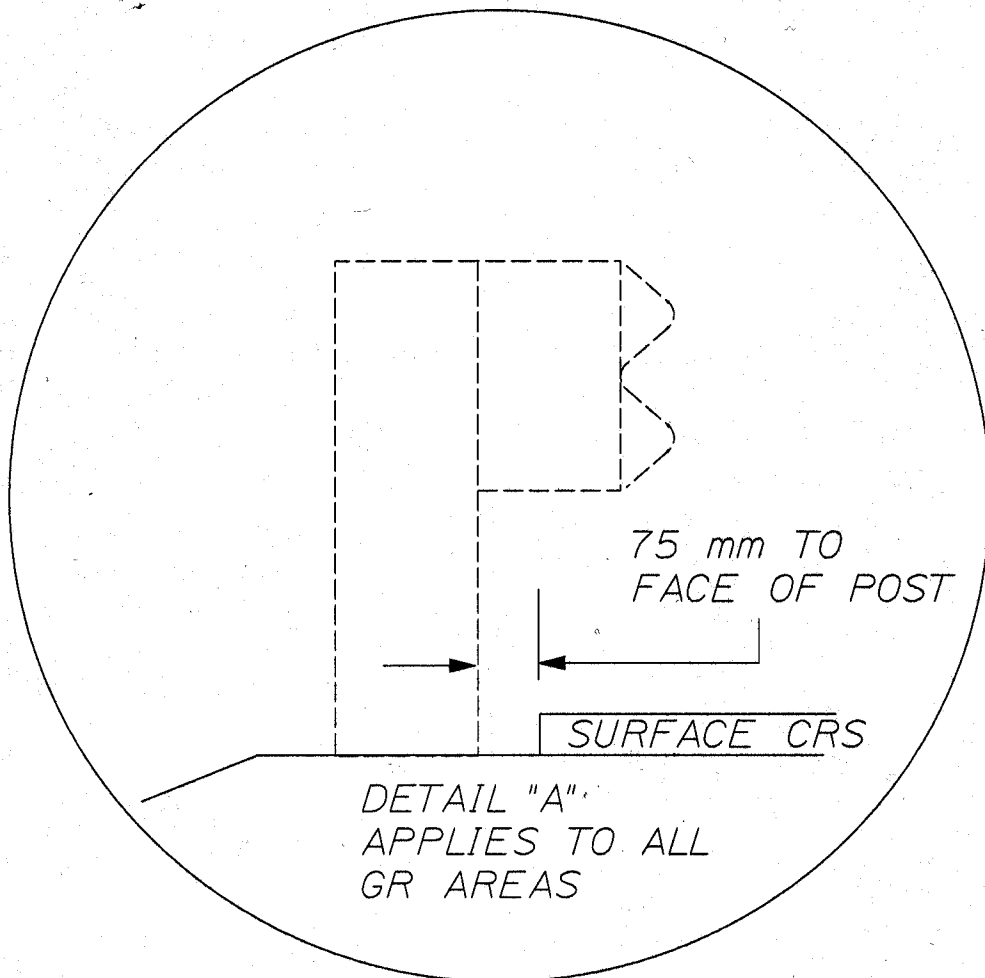
# **SPECIAL PROVISION**

## **SECTION 105**

### *General Scope of Work (Guardrail Areas)*

*If the Contractor disturbs any areas within the project limits where guardrail is to be installed, the guardrail shall be installed on the binder layer of pavement prior to winter suspension as directed.*

*When surface paving begins in these areas, the Contractor shall follow the special detail "A" shown below :*



SPECIAL PROVISION  
SECTION 105  
LEGAL RELATIONS WITH AND RESPONSIBILITY TO PUBLIC  
(NPDES)

105.8.2 Permit Requirements This Section is revised by the addition of the following paragraph:

”The Contractor is advised that the Environmental Protection Agency has issued a final National Pollutant Discharge Elimination System (NPDES) General Permit for storm water discharges from construction sites disturbing more than 2 ha [5 acres]. This permit requires:

- Storm Water Pollution Prevention Plan
- Submission of a Notification of Intent (NOI) at least 48 hours before construction commences
- Submission of a Notification of Termination (NOT) when a site has been finally stabilized and all storm water discharges from construction activities are eliminated.

If the project’s land disturbances is 2 ha [5 acres] or more, the Department will prepare the plan and submit the NOI (and NOT). The Contractor shall prepare plans and submit NOI’s (and NOT’s) for regulated construction activities beyond the project limits (e.g., borrow pits).

The Contractor shall be familiar with and comply with these regulations.”



SPECIAL PROVISION  
SECTION 107  
TIME  
(Limitation of Operations)  
and  
(Supplemental Liquidated Damages)

Where existing pavement is excavated or covered by fill as a part of the general grading operations prior to November 15, 2004, the binder course of the hot mix asphalt shall be installed and completed on or before November 15, 2004. Supplemental liquidated damages shall be assessed the Contractor in the amount of Five Hundred Dollars (\$500.00) per day for each calendar day, beginning November 16, 2004 that above stated binder course remains incomplete. This assessment of supplemental liquidated damages shall be in addition to the liquidated damages per working day, as specified in Section 107 of the Standard Specifications.

Grading operations which excavate or fill over existing pavement being used to carry traffic shall be suspended on November 15, 2004 and not be resumed until the Spring of 2005.

SPECIAL PROVISION  
SECTION 107  
TIME  
(Limitation of Operations)  
and  
(Supplemental Liquidated Damages)

The Contractor shall have the “in town” section complete from Sta. 10+140 to Sta. 11+140 on or before June 17, 2005. Supplemental Liquidated Damages shall be assessed to the Contractor in the amount of \$1,000.00 per day, for each calendar day that the above section of work remains incomplete.

Assessments of Supplemental Liquidated Damages shall continue until the “in town” section of work is satisfactorily completed.

SPECIAL PROVISION  
SECTION 107  
TIME  
(Suspension of Work)

Work shall be suspended from July 14<sup>th</sup> thru July 18<sup>th</sup> 2004 and July 6 – July 10, 2005 for Harrison's Old Home Days. There shall be no work during this time frame. In addition, the in town section from Sta. 10+140 to Sta. 11+140 shall be left in an acceptable manner for the celebration as determined by the Resident for the 2004 season, and complete for the 2005 season.

Harrison  
8473(00)X  
March 26, 2004

SPECIAL PROVISION  
SECTION 107  
TIME

The specified contract completion date is December 30, 2005.

**SPECIAL PROVISION**  
(Consolidated Special Provisions)

**SPECIAL PROVISION SECTION 101**  
**CONTRACT INTERPRETATION**

**101.2 Definitions - Closeout Documentation**

Replace the sentence “A letter stating the amount.... DBE goals.” with “DBE Goal Attainment Verification Form”

**SPECIAL PROVISION SECTION 102**  
**DELIVERY OF BIDS**  
(Location and Time)

**102.7.1 Location and Time** Add the following sentence “As a minimum, the Bidder will submit a Bid Package consisting of the Notice to Contractors, the completed Acknowledgement of Bid Amendments & Submission of Bid Bond Validation Number form, the completed Schedule of Items, 2 copies of the completed Agreement, Offer, & Award form, a Bid Bond or Bid Guarantee, and any other Certifications or Bid Requirements listed in the Bid Book.”

**SPECIAL PROVISION SECTION 103**  
**AWARD AND CONTRACTING**

**103.3.1 Notice and Information Gathering**

Change the first paragraph to read as follows: “After Bid Opening and as a condition for Award of a Contract, the Department may require an Apparent Successful Bidder to demonstrate to the Department’s satisfaction that the Bidder is responsible and qualified to perform the Work.”

**SPECIAL PROVISION SECTION 105**  
**GENERAL SCOPE OF WORK**

**105.6.2 Contractor Provided Services**

Change the first paragraph by the addition of the following as the second sentence: “The Contractor is also responsible for providing construction centerline, or close reference points, for all Utility Facilities relocations and adjustments as necessary to complete the Work.”

## SPECIAL PROVISION SECTION 106 QUALITY

106.6 Acceptance Add the following to paragraph 1 of A: “This includes Sections 401 - Hot Mix Asphalt, 402 - Pavement Smoothness, and 502 - Structural Concrete - Method A - Air Content.”

Add the following to the beginning of paragraph 3 of A: “For pay factors based on Quality Level Analysis, and”

## SPECIAL PROVISION SECTION 107 TIME

107.3.1 General Add the following: “If a Holiday occurs on a Sunday, the following Monday shall be considered a Holiday. Sunday or Holiday work must be approved by the Department, except that the Contractor may work on Martin Luther King Day, President’s Day, Patriot’s Day, the Friday after Thanksgiving, and Columbus Day without the Department’s approval.”

## SPECIAL PROVISION SECTION 108 PAYMENT

108.4 Payment for Materials Obtained and Stored First paragraph, second sentence, delete the words “...Delivered on or near the Work site at acceptable storage places.”

## SPECIAL PROVISION SECTION 109 CHANGES

109.1.1 Changes Permitted Add the following to the end of the paragraph: “There will be no adjustment to Contract Time due to an increase or decrease in quantities, compared to those estimated, except as addressed through Contract Modification(s).”

109.1.2 Substantial Changes to Major Items Add the following to the end of the paragraph: “Contract Time adjustments may be made for substantial changes to Major Items when the change affects the Critical Path, as determined by the Department”

109.4.4 Investigation / Adjustment In the third sentence, delete the words “subsections (A) - (E)”

109.7.2 Basis of Payment Replace with the following: “Equitable Adjustments will be established by mutual Agreement for compensable items listed in Section 109.7.3-Compensable Items, based upon Unit or Lump Sum Prices. If Agreement cannot be reached, the Contractor shall accept payment on a Force Account basis as provided in Section 109.7.5 - Force Account Work, as full and complete compensation for all Work relating to the Equitable Adjustment.”

109.7.3 Compensable Items Replace with the following: “The Contractor is entitled to compensation for the following items, with respect to agreed upon Unit or Lump Sum Prices:

1. Labor expenses for non-salaried Workers and salaried foremen.
2. Costs for Materials.
3. A markup on the totals of Items 1 and 2 of this subsection 109.7.3 for home office overhead and profit of the Contractor, its Subcontractors and suppliers, and any lower tier Subcontractors or suppliers, with no mark-ups on mark-ups.
4. Cost for Equipment, based on Blue Book Rates or leased rates, as set forth in Section 109.7.5(C), or the Contractor’s Actual Costs.
5. Costs for extended job-site overhead.
6. Time.
7. Subcontractor quoted Work, as set forth below in Section 109.7.5 (F).”

#### 109.7.5 Force Account Work

##### C. Equipment

Paragraph 2, delete sentence 1 which starts; “Equipment leased...”

Paragraph 6, change sentence 2 from “The Contractor may furnish...” to read “If requested by the Department, the Contractor will produce cost data to assist the Department in the establishment of such rental rate, including all records that are relevant to the Actual Costs including rental Receipts, acquisition costs, financing documents, lease Agreements, and maintenance and operational cost records.”

Add the following paragraph; “Equipment leased by the Contractor for Force Account Work and actually used on the Project will be paid for at the actual invoice amount plus 10% markup for administrative costs.”

Add the following section;

‘F. Subcontractor Quoted Work When accomplishing Force Account Work that utilizes Subcontractor quoted Work, the Contractor will be allowed a maximum markup of 5% for profit and overhead.”

### SPECIAL PROVISION SECTION 401 HOT MIX ASPHALT PAVEMENT

401.18 Quality Control Method A & B Make the following change to paragraph a. QCP Administrator; in the final sentence, change “...certified as a Plant Technician or Paving Inspector...” to “...certified as a Quality Assurance Technologist...”

401.201 Method A Under a. Lot Size, add the following; ‘Each lot will be divided into a minimum of four sublots for mix properties and five sublots for percent TMD.’”

### SPECIAL PROVISION SECTION 402 PAVEMENT SMOOTHNESS

Add the following: “Projects to have their pavement smoothness analyzed in accordance with this Specification will be so noted in Special Provision 403 - Bituminous Box.”

“402.02 Lot Size Lot size for smoothness will be 1000 lane-meters [3000 lane-feet]. A subplot will consist of 20 lane-meters [50 lane-feet]. Partial lots will be included in the previous lot if less than one-half the size of a normal lot. If greater than one-half the normal lot size, it will be tested as a separate lot.”

### SPECIAL PROVISION SECTION 502 STRUCTURAL CONCRETE

502.0502 Quality Assurance Method A - Rejection by Resident Change the first sentence to read: “For an individual subplot with test results failing to meet the criteria in Table #1, or if the calculated pay factor for Air Content is less than 0.80.....”

502.0503 Quality Assurance Method B - Rejection by Resident Change the first sentence to read: “For material represented by a verification test with test results failing to meet the criteria in Table #1, the Department will.....”

502.0505 Resolution of Disputed Acceptance Test Results Combine the second and third sentence to read: “Circumstances may arise, however, where the Department may .....”



**SPECIAL PROVISION SECTION 504**  
**REINFORCING STEEL**

504.18 Plates for Fabricated Members Change the second paragraph, first sentence from: "...ASTM A 898/A 898 M..." to "...ASTM A 898/A 898 M or ASTM A 435/A 435 M as applicable and..."

**SPECIAL PROVISION SECTION 535**  
**PRECAST, PRESTRESSED CONCRETE SUPERSTRUCTURE**

535.02 Materials Change "Steel Strand for Concrete Reinforcement" to "Steel Strand." Add the following to the beginning of the third paragraph; "Concrete shall be Class P conforming to the requirements in this section. 28 day compressive strength shall be as stated on the plans. Coarse aggregate...."

535.26 Lateral Post-Tensioning Replace the first paragraph; "A final tension..." with "Overstressing strands for setting losses cannot be accomplished for chuck to chuck lengths of 7.6 m [25 ft] and less. In such instances, refer to the Plans for all materials and methods. Otherwise, post-tensioning shall be in accordance with PCI standards and shall provide the anchorage force noted in the Plans. The applied jacking force shall be no less than 100% of the design jacking force."

**SPECIAL PROVISION SECTION 604**  
**MANHOLES, INLETS, AND CATCH BASINS**

604.02 Materials Add the following:

"Tops and Traps	712.07
Corrugated Metal Units	712.08
Catch Basin and Manhole Steps	712.09"

**SPECIAL PROVISION SECTION 615**  
**LOAM**

615.02 Materials Make the following change:

<u>Organic Content</u>	<u>Percent by Volume</u>
Humus	"5% - 10%", as determined by Ignition Test

## SPECIAL PROVISION SECTION 618 SEEDING

618.01 Description Change the first sentence to read as follows: “This work shall consist of furnishing and applying seed .....” Also remove “,and cellulose fiber mulch” from 618.01(a).

618.03 Rates of Application In 618.03(a), remove the last sentence and replace with the following: “These rates shall apply to Seeding Method 2, 3, and Crown Vetch.”

In 618.03(c) “1.8 kg [4 lb]/unit.” to “1.95 kg [4 lb]/unit.”

618.09 Construction Method In 618.09(a) 1, sentence two, replace “100 mm [4 in]” with “25 mm [1 in] (Method 1 areas) and 50 mm [2 in] (Method 2 areas)”

618.15 Temporary Seeding Change the Pay Unit from Unit to Kg [lb].

## SPECIAL PROVISION SECTION 620 GEOTEXTILES

620.03 Placement Section (c)

Title: Replace “Non-woven” in title with “Erosion Control”.

First Paragraph: Replace first word “Non-woven” with “Woven monofilament”.

Second Paragraph: Replace second word “Non-woven” with “Erosion Control”.

620.07 Shipment, Storage, Protection and Repair of Fabric Section (a)

Replace the third sentence with the following: “Damaged geotextiles, as identified by the Resident, shall be repaired immediately.”

620.09 Basis of Payment

Pay Item 620.58: Replace “Non-woven” with “Erosion Control”

Pay Item 620.59: Replace “Non-woven” with “Erosion Control”

## SPECIAL PROVISION SECTION 626 HIGHWAY SIGNING

626.034 Concrete Foundations Add to the following to the end of the second paragraph: “Pre-cast and cast-in-place foundations shall be warranted against leaning and corrosion for two years after the project is completed. If the lean is greater than 2 degrees from normal or the foundation is spalling within the first two years, the Contractor shall replace the foundation at no extra cost.”

**SPECIAL PROVISION SECTION 637**  
**DUST CONTROL**

637.06 Basis of Payment Add the following after the second sentence of the third paragraph: "Failure by the Contractor to follow Standard Specification or Special Provision - Section 637 and/or the Contractor's own Soil Erosion and Pollution Control Plan concerning Dust Control and/or the Contractor's own Traffic Control Plan concerning Dust Control and/or visible evidence of excessive dust problems, as determined by the Resident, will result in a reduction in payment, computed by reducing the Lump Sum Total by 5% per occurrence per day. The Department's Resident or any other representative of the Department reserves the right to suspend the work at any time and request a meeting to discuss violations and remedies. The Department shall not be held responsible for any delay in the work due to any suspension under this item. Additional penalties may also be assessed in accordance with Special Provision 652 - Work Zone Traffic Control and Standard Specification 656 - Temporary Soil Erosion and Water Pollution Control."

**SPECIAL PROVISION SECTION 639**  
**ENGINEERING FACILITIES**

639.04 Field Offices Change the forth to last paragraph from: "The Contractor shall provide a fully functional desktop copier..." to "...desktop copier/scanner..."

**SPECIAL PROVISION SECTION 652**  
**MAINTENANCE OF TRAFFIC**

652.8.2 Other Items Replace the last paragraph with the following: "There will be no payment made under any 652 pay items after the expiration of the adjusted total contract time."

**SPECIAL PROVISION SECTION 656**  
**TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL**

656.5.1 If Pay Item 656.75 Provided Replace the second paragraph with the following: "Failure by the Contractor to follow Standard Specification or Special Provision - Section 656 and/or the Contractor's own Soil Erosion and Pollution Control Plan will result in a reduction in payment, computed by reducing the Lump Sum Total by 5% per occurrence per day. The Department's Resident or any other representative of the Department reserves the right to suspend the work at any time and request a meeting to discuss violations and remedies. The Department shall not be held responsible for any delay in the work due to any suspension under this item."

## SPECIAL PROVISION SECTION 703 AGGREGATES

703.06 Aggregate for Base and Subbase Delete the first paragraph: "The material shall have..." and replace with "The material shall have a minimum degradation value of 15 as determined by Washington State DOT Test Method T113, Method of Test for Determination of Degradation Value (March 2002 version), except that the reported degradation value will be the result of testing a single specimen from that portion of a sample that passes the 12.5 mm [½ in] sieve and is retained on the 2.00 mm [No. 10] sieve, minus any reclaimed asphalt pavement used."

703.07 Aggregates for HMA Pavements Delete the forth paragraph: "The composite blend shall have..." and replace with "The composite blend, minus any reclaimed asphalt pavement used, shall have a Micro-Deval value of 18.0 or less as determined by AASHTO TP 58. In the event the material exceeds the Micro Deval limit, a Washington Degradation test shall be performed. The material shall be acceptable if it has a value of 30 or more as determined by Washington State DOT Test Method T 113, Method of Test for Determination of Degradation Value (March 2002 version) except that the reported degradation value will be the result of testing a single composite specimen from that portion of the sample that passes the 12.5mm [1/2 inch] sieve and is retained on the 2.00mm [No 10] sieve, minus any reclaimed asphalt pavement used."

703.22 Underdrain Backfill Material Change the first paragraph from "...for Underdrain Type B..." to "...for Underdrain Type B and C..."

## SPECIAL PROVISION SECTION 709 REINFORCING STEEL AND WELDED STEEL WIRE FABIC

709.03 Steel Strand Change the second paragraph from "...shall be 12mm [½ inch] AASHTO M203M/M203 (ASTM A416/A416M)..." to "...shall be 15.24 mm [0.600 inch] diameter AASHTO M203 (ASTM A416)..."

## SPECIAL PROVISION SECTION 712 MISCELLANEOUS HIGHWAY MATERIALS

Add the following:

"712.07 Tops, and Traps These metal units shall conform to the plan dimensions and to the following specification requirements for the designated materials.

Gray iron castings shall conform to the requirements of AASHTO M105, Class 30, unless otherwise designated.

Carbon steel castings shall conform to the requirements of AASHTO M103/M103M. Grade shall be 450-240 [65-35] unless otherwise designated.

Structural steel shall conform to the requirements of AASHTO M183/M183M or ASTM A283/A283M, Grade B or better. Galvanizing, where specified for these units, shall conform to the requirements of AASHTO M111.

712.08 Corrugated Metal Units The units shall conform to plan dimensions and the metal to AASHTO M36/M36M. Bituminous coating, when specified, shall conform to AASHTO M190 Type A.

712.09 Catch Basin and Manhole Steps Steps for catch basins and for manholes shall conform to ASTM C478M [ASTM C478], Section 13 for either of the following material:

- (a) Aluminum steps-ASTM B221M, [ASTM B211] Alloy 6061-T6 or 6005-T5.
- (b) Reinforced plastic steps Steel reinforcing bar with injection molded plastic coating copolymer polypropylene. Polypropylene shall conform to ASTM D 4101.

712.23 Flashing Lights Flashing Lights shall be power operated or battery operated as specified.

- (a) Power operated flashing lights shall consist of housing, adapters, lamps, sockets, reflectors, lens, hoods and other necessary equipment designed to give clearly visible signal indications within an angle of at least 45 degrees and from 3 to 90 m [10 to 300 ft] under all light and atmospheric conditions.

Two circuit flasher controllers with a two-circuit filter capable of providing alternate flashing operations at the rate of not less than 50 nor more than 60 flashes per minute shall be provided.

The lamps shall be 650 lumens, 120 volt traffic signal lamps with sockets constructed to properly focus and hold the lamp firmly in position.

The housing shall have a rotatable sun visor not less than 175 mm [7 in] in length designed to shield the lens.

Reflectors shall be of such design that light from a properly focused lamp will reflect the light rays parallel. Reflectors shall have a maximum diameter at the point of contact with the lens of approximately 200 mm [8 in].

The lens shall consist of a round one-piece convex amber material which, when mounted, shall have a visible diameter of approximately 200 mm [8 in]. They shall distribute light

and not diffuse it. The distribution of the light shall be asymmetrical in a downward direction. The light distribution of the lens shall not be uniform, but shall consist of a small high intensity portion with narrow distribution for long distance throw and a larger low intensity portion with wide distribution for short distance throw. Lenses shall be marked to indicate the top and bottom of the lens.

(b) Battery operated flashing lights shall be self-illuminated by an electric lamp behind the lens. These lights shall also be externally illuminated by reflex-reflective elements built into the lens to enable it to be seen by reflex-reflection of the light from the headlights of oncoming traffic. The batteries must be entirely enclosed in a case. A locking device must secure the case. The light shall have a flash rate of not less than 50 nor more than 60 flashes per minute from minus 30 °C [minus 20 °F] to plus 65 °C [plus 150 °F]. The light shall have an on time of not less than 10 percent of the flash cycle. The light beam projected upon a surface perpendicular to the axis of the light beam shall produce a lighted rectangular projection whose minimum horizontal dimension shall be 5 degrees each side of the horizontal axis. The effective intensity shall not have an initial value greater than 15.0 candelas or drop below 4.0 candelas during the first 336 hours of continuous flashing. The illuminated lens shall appear to be uniformly bright over its entire illuminated surface when viewed from any point within an angle of 9 degrees each side of the vertical axis and 5 degrees each side of the horizontal axis. The lens shall not be less than 175 mm [7 in] in diameter including a reflex-reflector ring of 13 mm [½ in] minimum width around the periphery. The lens shall be yellow in color and have a minimum relative luminous transmittance of 0.440 with a luminance of 2854° Kelvin. The lens shall be one-piece construction. The lens material shall be plastic and meet the luminous transmission requirements of this specification. The case containing the batteries and circuitry shall be constructed of a material capable of withstanding abuse equal to or greater than 1.21 mm thick steel [No. 18 U.S. Standard Gage Steel]. The housing and the lens frame, if of metal shall be properly cleaned, degreased and pretreated to promote adhesion. It shall be given one or more coats of enamel which, when dry shall completely obscure the metal. The enamel coating shall be of such quality that when the coated case is struck a light blow with a sharp tool, the paint will not chip or crack and if scratched with a knife will not powder. The case shall be so constructed and closed as to exclude moisture that would affect the proper operation of light. The case shall have a weep hole to allow the escape of moisture from condensation. Photoelectric controls, if provided, shall keep the light operating whenever the ambient light falls below 215 lx [20 foot candles]. Each light shall be plainly marked as to the manufacturer's name and model number.

If required by the Resident, certification as to conformance to these specifications shall be furnished based on results of tests made by an independent testing laboratory. All lights are subject to random inspection and testing. All necessary random samples shall be provided to the Resident upon request without cost to the Department. All such samples shall be returned to the Contractor upon completion of the tests.

712.32 Copper Tubing Copper tubing and fittings shall conform to the requirements of ASTM B88M Type A [ASTM B88, Type K] or better.

712.33 Non-metallic Pipe, Flexible Non-metallic pipe and pipe fittings shall be acceptable flexible pipe manufactured from virgin polyethylene polymer suitable for transmitting liquids intended for human or animal consumption.

712.34 Non-metallic Pipe, Rigid Non-metallic pipe shall be Schedule 40 polyvinylchloride (PVC) that meets the requirement of ASTM D1785. Fittings shall be of the same material.

712.341 Metallic Pipe Metallic pipe shall be ANSI, Standard B36.10, Schedule 40 steel pipe conforming to the requirements of ASTM A53 Types E or S, Grade B. End plates shall be steel conforming to ASTM A36/A36M.

Both the sleeve and end plates shall be hot dip galvanized. Pipe sleeve splices shall be welded splices with full penetration weld before galvanizing.

712.35 Epoxy Resin Epoxy resin for grouting or sealing shall consist of a mineral filled thixotropic, flexible epoxy resin having a pot life of approximately one hour at 10°C [50°F]. The grout shall be an approved product suitable for cementing steel dowels into the preformed holes of curb inlets and adjacent curbing. The sealant shall be an approved product, light gray in color and suitable for coating the surface.

712.36 Bituminous Curb The asphalt cement for bituminous curb shall be of the grade required for the wearing course, or shall be Viscosity Grade AC-20 meeting the current requirements of Subsection 702.01 Asphalt Cement. The aggregate shall conform to the requirements of Subsection 703.07. The coarse aggregate portion retained on the 2.36 mm [No. 8] sieve may be either crushed rock or crushed gravel.

The mineral constituents of the bituminous mixture shall be sized and graded and combined in a composite blend that will produce a stable durable curbing with an acceptable texture.

Bituminous material for curb shall meet the requirements of Section 403 - Hot Bituminous Pavement.

712.37 Precast Concrete Slab Portland cement concrete for precast slabs shall meet the requirements of Section 502 - Structural Concrete, Class A.

The slabs shall be precast to the dimension shown on the plans and cross section and in accordance with the Standard Detail plans for Concrete Sidewalk Slab. The surface shall be finished with a float finish in accordance with Subsection 502.14(c). Lift devices of sufficient strength to hold the slab while suspended from cables shall be cast into the top or back of the slab.

712.38 Stone Slab Stone slabs shall be of granite from an acceptable source, hard, durable, predominantly gray in color, free from seams which impair the structural integrity and be of smooth splitting character. Natural color variations characteristic of the deposit will be permitted. Exposed surfaces shall be free from drill holes or indications of drill holes. The granite slabs in any one section of backslope must be all the same finish.

The granite slabs shall be scabble dressed or sawed to an approximately true plane having no projections or depressions over 13 mm [½ in] under a 600 mm [2 ft] straightedge or over 25 mm [1 in] under a 1200 mm [4 ft] straightedge. The arris at the intersection of the top surface and exposed front face shall be pitched so that the arris line is uniform throughout the length of the installed slabs. The sides shall be square to the exposed face unless the slabs are to be set on a radius or other special condition which requires that the joints be cut to fit, but in any case shall be so finished that when the stones are placed side by side no space more than 20 mm [¾ in] shall show in the joint for the full exposed height.

Liftpin holes in all sides will be allowed except on the exposed face.

### SPECIAL PROVISION SECTION 717 ROADSIDE IMPROVEMENT MATERIAL

717.05 Mulch Binder. Change the third sentence to read as follows:

“Paper fiber mulch may be used as a binder at the rate of 2.3 kg/unit [5 lb/unit].”



SPECIAL PROVISION  
SECTION 202  
REMOVING STRUCTURES AND OBSTRUCTIONS

The concrete wearing surface on the in town old Harrison Bridge shall be removed full depth, by equipment that will not damage the bridge deck in any way.

The use of heavy equipment (excavator, back hoe, track mounted hoe – ram etc...) will not be allowed as determined by the Resident.

Removal of any reinforcing steel in the bridge wearing surface will be considered incidental to item 202.30.

**SPECIAL PROVISION  
SECTION 203  
EXCAVATION AND EMBANKMENT  
(CONTAMINATED SOIL AND GROUNDWATER MANAGEMENT)**

General. The work under this specification, shall be performed in conformance with all the procedures and requirements described herein for the following activities: contaminated soil handling, reuse, temporary stockpiling, transportation, storage and disposal and contaminated water handling, storage, treatment, and disposal. This specification also addresses contaminated soil location, identification and classification. The intent of this specification is to ensure that any contaminated soil and/or water encountered during construction will be managed in a manner that protects worker health and safety, public welfare and the environment.

Environmental Site Conditions. The Maine Department of Transportation's Environmental Office (MDOT's-ENV.) has conducted a series of assessments related to the Route 117 Highway Improvement Project in Harrison. An initial Phase I Environmental Assessment for the project corridor was completed to obtain a general understanding of the environmental conditions of the project area. Data garnered from this assessment was used to design a Modified Phase II Contamination Assessment for the project.

The primary focus of the assessments was to evaluate the type and extent of subsurface contamination along the project corridor. The Phase I Assessment included a review of relevant Maine Department of Environmental Protection's (MDEP's) and Environmental Protection Agency's (EPA's) databases and field reconnaissance of the project area. Underground utility representatives and other knowledgeable individuals were also queried for further information regarding environmental conditions within the project corridor. During Phase II, test borings were advanced along the project's length for investigative purposes. During the advancement of these borings, an area with impacted soil was identified and its aerial extent delineated through the use of a photo-ionization detector (PID). A PID was used to test soil boring grab samples for volatile organic compound (VOC) concentrations indicative of petroleum products. (See *Identified Areas Of Contamination* below). A sample for laboratory testing was taken to further aid in evaluating subsurface conditions. The results of these investigations are available for review from the Hydrogeologist at MDOT's Environmental Office in Winthrop (207-624-3100).

Identified Area of Contamination. The subsurface explorations advanced in the Phase II portion of the contamination assessment identified one area of soil contamination. This area, designated **Area A** is defined as along Route 117, in front of The Village Tie-Up store and gas station, from approximately Station 10+640 to Station 10+660. Soil contamination within **Area A** is likely related to past use and storage of petroleum at the previously referenced facility.

Subsurface soil samples were collected from the explorations in **Area A** and screened with a photo-ionization detector (PID). This screening displayed PID values from 0 ppm gasoline equivalents to 1454 ppm gasoline equivalents. Based on the PID data, a soil sample was collected from an exploration located at Station 10+646, 4.5 m right of centerline, from a depth of approximately 0.3 and 1.3 m below ground surface. The sample was submitted for laboratory analysis for gasoline range organics (GRO). The laboratory data indicates soil at this location has a GRO concentration of 600 mg/kg. GRO at this concentration define the soil as special waste per State remedial guidelines requiring special handling and/or disposal/treatment during construction.

Identifying and Screening Contaminated Soil and Groundwater. Within the contaminated section designated **Area A**, excavated soils will be classified by the Engineer (or an MDOT-ENV representative) through use of photo-ionization detector (PID) field screening. Field screening with a PID shall be performed according to the MDEP “Jar/Poly Bag Headspace Technique” contained in Appendix Q of *Regulations for Registration, Installation, Operation and Closure of Underground Oil Storage Facilities, Chapter 691* (MDEP 12/24/96) and using MDEP’s September 1997 calibration set-points.

The excavated soils shall be classified as Group 1, Group 2 or Group, 3.

Group 1 soils shall have photo-ionization detector (PID) field screening measurements indicating relative concentrations of volatile organic compounds (VOCs) less than or equal to 20 parts per million (ppm) as measured in the soil headspace.

Group 2 soils shall have PID field screening measurements indicating VOC concentrations greater than 20 ppm and less than or equal to 500 ppm and contain no “petroleum saturated” soils or free-phase petroleum product.

Group 3 shall have PID field screening measurements indicating VOC headspace concentrations greater than 500 ppm or be “petroleum saturated.” Analysis to determine “petroleum saturation” shall be performed according to MDEP guidance in *Procedural Guidelines for Establishing Standards for Remediation of Oil Contaminated Soil and Ground Water in Maine* (MDEP, 1/11/95).

Handling and Disposition of Soil Materials. Within **Area A**, soil material excavated during construction shall be handled as follows:

Group 1 soils are not considered contaminated. Thus, special handling and disposal are not required for these soils.

Group 2 soils shall be placed back into the their excavation/trench section of origin. The Contractor shall make every attempt to side cast any Group 2 soils next to their excavation site. Upon completion of the given constructional feature, the Group 2 soils shall be placed back into the excavation. Group 2 materials not handled in this manner shall be considered Surplus Group 2 soils. Surplus Group 2 soils must be disposed of or treated at a facility licensed by the MDEP to accept petroleum contaminated special waste. The Contractor shall arrange and undertake disposal of all Surplus Group 2 soils at the nearest landfill or treatment facility licensed to accept petroleum contaminated special waste. The Contractor is solely responsible for obtaining the associated permits and approvals for the disposal or treatment of the Surplus Group 2 soils from all relevant Municipal, State, and Federal agencies at no additional cost to the State. Notification shall be given to the Engineer once approval is granted for the acceptance of this material at the off site facility. No removal of Surplus Group 2 soils from the project shall occur without prior approval by the Engineer. If any Surplus Group 2 soils cannot be transported to the pre-approved, properly licensed facility within 8 hours of their excavation, they must be placed in a Temporary Secure Stockpile Area somewhere within the project limits (See Temporary Secured Stockpile Area below).

Group 3 soils are highly contaminated and must be disposed of or treated at a facility licensed by the MDEP to accept petroleum contaminated special waste. The Contractor shall arrange and undertake disposal of all Group 3 soils at the nearest landfill or treatment facility licensed to accept petroleum contaminated special waste. The Contractor is solely responsible for obtaining the associated permits and approvals for the disposal or treatment of the Group 3 soils from all relevant Municipal, State, and Federal agencies at no additional cost to the State. Notification shall be given to the Engineer once approval is granted for the acceptance of this material at the off site facility. No removal of Group 3 soils from the project shall occur without prior approval by the Engineer. If any Group 3 soils cannot be transported to the pre-approved, properly licensed facility within 8 hours of their excavation, they must be placed in a Temporary Secure Stockpile Area somewhere within the project limits (See Temporary Secured Stockpile Area below).

The Engineer is responsible for signing all manifests required to transport and dispose of contaminated soil.

Temporary Secured Stockpile Area. Direct transport of Surplus Group 2 or Group 3 soils to a pre-approved management facility is recommended. However, should the Contractor temporarily store any Surplus Group 2 or Group 3 soils at the site for more than 8 hours following excavation, they must be placed into a properly constructed Temporary Secured Stockpile Area. The Temporary Secured Stockpile Area must be constructed as defined herein and must be approved by the Engineer prior to its use.

The Contractor shall install a continuous one-foot (0.30 m) high compacted soil berm around the Temporary Secured Stockpile. The Temporary Secured Stockpile shall be placed on a liner of 20-mil polyethylene and securely covered with 20-mil polyethylene. The polyethylene liner and cover shall be placed over the soil berm and be installed to ensure that precipitation water drains directly to the outside of the berm perimeter while leachate from the contaminated soil is retained within the stockpile. The Temporary Secured Stockpile and soil berm shall be enclosed within a perimeter of concrete Jersey barriers or wooden barricades. The area within the Jersey barriers (or wooden barricades) shall be identified as a "restricted area" to prevent unauthorized access to the contaminated soils.

Temporary Secured Stockpile Area - Materials.

- A. Polyethylene. Polyethylene used for liner and cover in the Temporary Secured Stockpile Area shall have a minimum of 20-mil thickness and shall meet the requirements of ASTM D3020.
- B. Common Borrow. Fill used in the construction of the Temporary Secured Stockpile Area soil berm shall consist of Common Borrow and meet the requirements of Section 703.18
- C. Concrete Barriers or Wooden Barricades. Concrete barriers or Wooden Barricades to form the sides of the Temporary Secured Stockpile Area shall meet the requirements of Section 526 or 652.05.

Health and Safety/Right-to-Know. All Contractors and Subcontractors are required to notify their workers of the history of the site and contamination that may be present and to be alert for evidence of contaminated soil and groundwater. Additionally, the Contractor shall notify the Engineer at least three business days before commencing any excavation in the area of contamination defined as:

- Area A: Along Route 117, in front of The Village Tie-up, from approximately Station 10+640 to Station 10+660.

The Contractor shall prepare a site specific Health and Safety Plan (HASP) for its workers and subcontractors who may work in **Area A**. A Qualified Health and Safety

Professional shall complete the HASP. The Qualified Health and Safety Professional will be an expert in field implementation of the following federal regulations:

- 29 CFR 1910.120 or   Hazardous Waste Operations and  
29 CFR 1926.65       Emergency Response
- 29 CFR 1910.134     Respiratory Protection
- 29 CFR 1926.650     Subpart D - Excavations
- 29 CFR 1926.651     General Requirements
- 29 CFR 1926.652     Requirements for Protective Systems

The Contractor shall designate a Hazardous Waste Operations “Competent Person” to provide direct on-site supervision plus health and safety monitoring for work in the contaminated section. The Competent Person shall have certified training and experience in field implementation of the aforementioned regulations. The Competent Person shall have the authority to designate areas as contaminated for the purposes of Worker Health and Safety. The Competent Person shall also have the authority to stop work in contaminated areas if hazardous conditions arise or if work practices do not comply with the HASP.

Workers and subcontractors working in **Area A** shall be trained in Health and Safety procedures according to the Occupational Safety and Health Administration (OSHA) regulations for Hazardous Waste Operations and Emergency Response, be current in their annual OSHA refresher course and be medically monitored in compliance with applicable OSHA regulations.

Work inside contaminated trench sections may be subject to OSHA's permit-required confined space regulations under 29 CFR 1910.146.

Submittals. The Contractor shall submit a site specific Health and Safety Plan (HASP) to the Engineer at least two weeks in advance of any excavation work on the project.

Health and Safety Monitoring. Within **Area A**, the Contractor’s designated Competent Person shall monitor the worker breathing zone for those constituents specified in the Contractor’s HASP. The Contractor shall provide all required health and safety monitoring equipment.

Trench and Underdrain/Stormdrain Design in Contaminated Sections. Between Stations 10+640 and 10+660 (**Area A**), solid, Option III, non-perforated culvert pipe

shall be used instead of perforated pipe to minimize the potential for the infiltration and transportation of contaminated groundwater within the underdrain/stormdrain system.

Seepage control dikes (SCD) shall be installed every 15 m along the underdrain/stormdrain pipe trench in the area of soil contamination and shall include a 15 m buffers at each end. Within **Area A**, soil contamination is anticipated between Stations 10+640 to 10+660, hence the SCD centers should fall at approximately stations 10+625, 10+640, 10+655, and 10+670 (near Mill Brook), plus on both sides of any utility trenches that intersect the drainage trench between Stations 10+625 and 10+670.

The SCDs shall consist of a mineral clay material with a liquid limit of equal to or greater than 24 and a natural moisture content of at least 20 %. The clay should be placed in dry excavations in 150 mm (6 inch) maximum, thick lifts and compacted to 90% of the maximum dry unit weight as determined by AASHTO T99 (Standard Proctor). The seepage control dikes shall be 1.5 meters (5 feet) long; be in intimate contact with the trench floor, trench walls, and circumference of the pipe; and extend up to the bottom of the road base. The excavated existing road base or similar material may be placed on top of the seepage control dikes. The Contractor shall take care to ensure that no voids or uncompacted soil is left beside or beneath the Option III culvert pipe.

Dewatering. Groundwater may be encountered during excavation work within **Area A**. If groundwater removal becomes necessary to complete work within **Area A**, it will be treated as “contaminated” water. The Contractor shall inform the Engineer before any dewatering commences. The “contaminated” water shall be pumped into a temporary holding tank(s). The Contractor will be responsible for the procurement of any holding tank(s). Any testing, treatment and/or disposal of the stored contaminated, water shall be undertaken by the Contractor in accordance with applicable Federal, State and local regulatory requirements.

On-Site Water Storage Tanks - Materials. If dewatering within the identified contaminated area becomes necessary, the holding tanks used for temporary storage of contaminated water pumped from excavations shall be contamination-free and have a minimum capacity of 7,500 liters (2,000 gallons).

Dust Control. The Contractor shall employ dust control measures to minimize the creation of airborne dust during construction process in potentially contaminated areas. As a minimum, standard dust control techniques shall be employed where heavy equipment and the public will be traveling. These may include techniques such as watering-down the site or spreading hygroscopic salts.

Unanticipated Contamination. If the Contractor encounters previously undiscovered contamination or potentially hazardous conditions related to contamination,

the Contractor shall suspend work and secure the area. The Contractor will then notify the Engineer immediately. These potentially hazardous conditions include, but are not limited to, buried containers, drums, tanks, "oil saturated soils", strong odors or the presence of petroleum sufficient to cause a sheen on the groundwater. The area of potential hazard shall be secured to minimize health risks to workers and the public and to prevent a release of contaminants into the environment. The source of any suspected contamination shall be evaluated by the Engineer (or MDOT's-ENV representative). As appropriate, the Engineer will notify the MDEP's Response Services Division in Portland and MDOT's Environmental Office. The Town of Harrison's Fire Department and the Maine Fire Marshall's Office must also be notified prior to removal of buried storage tanks and associated piping. The Contractor will evaluate the impact of the hazard on construction, amend the HASP if necessary, and with the Engineer's approval, recommence work in accordance with the procedures of this Special Provision.

Method of Measurement. There will be no measurement for identification and environmental screening of contaminated soil material (this will be done by the Engineer or MDOT-ENV representative).

Measurement for the development of a Health and Safety Plan (HASP) and providing health and safety equipment and personnel shall be by lump sum.

Measurement of the treatment or disposal of Surplus Group 2 and Group 3 soils will be by the Mega Gram of Special Excavation.

There will be no measurement for construction of a Temporary Secured Stockpile Area. Construction of a Temporary Secured Stockpile Area, if necessary, is considered incidental to project construction. There will be no measurement for hauling Surplus Group 2 material or Group 3 soils to the Temporary Secure Stockpile area or placement and removal of Surplus Group 2 or Group 3 soils in or out of the Temporary Secure Stockpile area. All hauling and any subsequent management/placement of contaminated soils are considered incidental to project construction.

There will be no measurement for additional laboratory testing of contaminated soil that is required by the landfill or treatment facility. Testing is incidental to the disposal of Special Excavation.

There will be no measurement for installation of the seepage control dikes. The seepage control dikes are considered incidental to installation of the storm water drainage system in **Area A**.

Measurement for the following items shall be according to Subsection 109:04 ("Change Order"/Force Account): any necessary contaminated water holding tank(s); and treatment or disposal of any contaminated water.



Basis of Payment. There will be no payment for the identification and environmental screening of contaminated soil material (this will be done by the Engineer or MDOT-ENV representative).

Payment for the development of a Health and Safety Plan (HASP) and providing health and safety equipment and personnel shall be by the lump sum

Payment for disposal or treatment of contaminated Surplus Group 2 and Group 3 soils at a MDEP licensed facility shall be by the Mega Gram of Special Excavation.

There will be no payment for the construction of the Temporary Secured Stockpile Area or hauling/management/placement of contaminated soils to the Temporary Secured Stockpile Area. The Temporary Secured Stockpile Area shall be considered incidental to project construction.

Payment for the following items shall be according to Subsection 109:04 ("Change Order"/Force Account): any necessary contaminated water holding tank(s); and treatment or disposal of any motor fuel contaminated water.

Pay Item	Pay Unit
203.2312 Health and Safety Plan (HASP)	L.S.
203.2333 Disposal of Special Excavation	M.G.

SPECIAL PROVISIONS  
SECTION 304  
AGGREGATE BASE AND SUBBASE COURSE  
(Aggregate Subbase)

If the Contractor wishes to route public traffic over the completed Aggregate Subbase Course for a period of time greater than 24 hours, the Aggregate Subbase Course shall be constructed with a minimum 50 mm [2 in] surcharge above the design grade. Whenever the surcharge is used, it shall be constructed with material meeting the requirements of Section 703.06(b), Type D Aggregate. Also, whenever, the surcharge is used, it shall be placed on all the Aggregate Subbase Course subjected to public traffic. When the surcharge is removed, it may be placed in driveways, sidewalks, approach roads, or the outer portions of the shoulders. Removal of the surcharge shall be followed immediately in succession by the fine grading of the aggregate subbase and construction of the next course.

The furnishing, placing, maintaining, and removal of the surcharge will not be paid for directly, but will be considered incidental to the Aggregate Subbase Course pay item.

If salvaged bituminous pavement is placed as the top layer of the aggregate subbase course, a surcharge is not required.

SPECIAL PROVISION  
SECTION 310  
PLANT MIXED RECYCLED ASPHALT PAVEMENT

310.01 Description This work shall consist of the removal of all bituminous pavement from the existing roadway, hauling the bituminous pavement to an approved location, and processing as per Section 310.020. The gravel base of the existing roadway shall be regarded and compacted to the tolerances shown on the typicals, or as directed by the Resident.

All plant mixed recycled asphalt pavement shall be placed in one or more courses on an approved base and in accordance with these specifications, and in reasonably close conformity with the lines, grades and thicknesses indicated on the plans, or as established by the Resident. Excess recycled material not used in the PMRAP process will become the property and responsibility of the contractor.

MATERIALS

310.020 Composition of Mixture The mixture shall be composed as directed in the job mix formula. The recycled asphalt pavement shall be processed by the Contractor so all material will be no larger than 37.5 mm [1.5 in] and stockpiled so as to minimize segregation. The stockpile shall be free of any materials not generally considered to be asphalt pavement. If additional material is required, the material will be supplied by the State or acquired from the Contractor through the Contract Modification process.

A job mix formula shall be furnished by the Department establishing the percentage of emulsified asphalt cement, Portland Cement, aggregate, and water to be used in the mixture. The JMF additive proportions will be verified by taking a second recycled material sample once the stockpiles have been constructed.

Emulsion, water, aggregate and Portland Cement shall be added in percentage by weight and verified by tank checks done in accordance with the minimum quality control frequencies. Cement additive may be done in dry form or introduced as a cement slurry.

310.021 Emulsified Asphalt The emulsified asphalt shall be grade MS-2, MS-4, CSS-1, or HFMS-2 meeting the requirements of Section 702.04 - Emulsified Asphalt.

310.022 Portland Cement Portland Cement shall be Type I or II meeting the requirements of AASHTO M85-89.

310.023 Water Water shall be clean and free from deleterious concentrations of acids, alkalis, salts or other organic or chemical substances.

310.024 New Aggregate New aggregate, if required by the contract or job mix, shall meet the requirements of Section 411.02 - Untreated Aggregate Surface Course.

EQUIPMENT

310.030 Mixing Plant The mixing plant shall be of sufficient capacity and coordinated to adequately handle the proposed construction. Either a continuous pugmill mixer or a continuous drum type mixing plant shall be used. If a

drum mixing plant is used it shall meet the requirements of Section 401.07. The mixing plant shall be capable of producing a uniform mixture meeting the requirements of the job mix formula.

310.031 Hauling Equipment Trucks used for hauling the mixture shall meet the requirements of Section 401.08.

310.032 Bituminous Pavers Pavers shall meet the requirements of Section 401.09.

310.033 Rollers Rollers shall meet the requirements of Section 401.10.

## CONSTRUCTION REQUIREMENTS

310.040 Mixing The recycled asphalt pavement shall be delivered to the mixer at a temperature of not less than 10°C [50°F]. The emulsified asphalt shall meet the mixing temperature requirements listed in Section 702.05 - Application Temperatures. Recycled pavement and emulsified asphalt, and cement shall be proportioned and the mixing time set to produce a mixture in which uniform distribution of the emulsified asphalt and coating of the recycled pavement is obtained.

If a drum type mixing plant is used, the recycled asphalt pavement may be heated prior to being mixed with the emulsified asphalt to a temperature not to exceed 90°C [195°F].

Following mixing, the recycled asphalt pavement material shall be stockpiled and incorporated into the work. The material shall not be stockpiled for longer than 24 hours.

310.041 Weather Limitations The plant mixed recycled asphalt pavement shall be performed when:

- a. PM-RAP operations will be allowed between May 15<sup>th</sup> and September 15<sup>th</sup> inclusive in Zone 1 - Areas north of US Route 2 from Gilead to Bangor and north of Route 9 from Bangor to Calais. Foaming operations will be allowed between May 1<sup>st</sup> and September 30<sup>th</sup> inclusive in Zone 2 - Areas south of Zone 1 including the US Route 2 and Route 9 boundaries.
- b. The atmospheric temperature, as determined by an approved thermometer placed in the shade at the recycling location, is 10°C [50°F] and rising.
- c. When there is no standing water on the surface.
- d. During generally dry conditions, or when weather conditions are such that proper pulverizing, adding, mixing, and curing can be obtained using proper procedures, and when compaction can be accomplished as determined by the Resident.
- e. When the surface is not frozen and when overnight temperatures are expected to be above 0°C [32°F].

310.042 Spreading and Finishing The mixture shall be spread and finished in accordance with Section 401.15. Total layer thickness greater than 100 mm [4 in] will be placed in 2 lifts.

310.043 Compaction Compaction of the mixture shall be in accordance with Section 401.16. Rolling may be delayed to avoid lateral displacement as directed by the Resident. See also Section 310.051.

310.044 Joints Joints shall be constructed in accordance with Section 401.17.

310.045 Surface Tolerances The surface tolerances shall be as specified in Section 401.101, except that the maximum allowable variation shall be 10 mm [ $\frac{3}{8}$  in]. The surface tolerance in existing gravel areas covered by PMRAP, with no additional gravel, shall be  $\pm 10$  mm [ $\frac{3}{8}$  in].

## TESTING REQUIREMENTS

310.050 Quality Control The Contractor shall operate in accordance with the approved Quality Control Plan (QCP) to assure a product meeting the contract requirements. The QCP shall meet the requirements of Section 106.6 - Acceptance and this Section. The Contractor shall not begin recycling operations until the Department approves the QCP in writing.

Prior to performing any recycling process, the Department and the Contractor shall hold a Pre-recycle conference to discuss the recycling schedule, type and amount of equipment to be used, sequence of operations, and traffic control. A copy of the QC random numbers to be used on the project shall be provided to the Resident. All field and plant supervisors including the responsible onsite recycling process supervisor shall attend this meeting.

The QCP shall address any items that affect the quality of the Recycling Process including, but not limited to, the following:

- a. JMF(s).
- b. Mixing details, pugmill type, production rates, material processing.
- c. Make and type of paver(s).
- d. Make and type of rollers including weight, weight per inch of steel wheels, and average contact pressure for pneumatic tired rollers.
- e. Testing Plan.
- f. Transportation including process for ensuring that truck bodies are clean and free of debris or contamination that could adversely affect the finished product, type of release agent used (if required)
- g. Laydown operations including procedures for mix design modification, avoiding recycling and curing in inclement weather, material yield monitoring, methods to ensure that segregation is minimized, longitudinal joint construction, procedures to determine the maximum rolling and placing speeds based on field quality control, and achieving the best possible smoothness.
- h. Methods for protecting the finished product from damage and procedures for any necessary corrective action.
- i. Method of grade checks.
- j. Examples of Quality Control forms.
- k. Name, responsibilities, and qualifications of the Responsible onsite Recycling Supervisor experienced and knowledgeable with the process.
- l. Method for calibration/verification of density gauge.
- m. A note that all testing will be done in accordance with AASHTO and MDOT/ACM procedures.
- n. Stockpile procedures including method of moisture control.

The Project Superintendent shall be named in the QCP, and the responsibilities for successful implementation of the QCP shall be outlined.

The Contractor shall sample, test, and evaluate the PMRAP process in accordance with the following procedures and minimum frequencies:

#### MINIMUM QUALITY CONTROL FREQUENCIES

Test or Action	Frequency	Test Method
Density	1 per 300 m [1000 ft] / lane	ASTM D 2950
Air Temperature	4 per day at even intervals	
Surface Temperature	At the beginning and end of each days operation	
Yield of all materials (Both the daily yield and yield since last test)	4 per day at even intervals	

The Contractor shall submit all QC test reports and summaries in writing, signed by the appropriate technician, and present them to the Department's onsite representative by 1:00 P.M. on the next working day, except when otherwise noted in the QCP due to local restrictions. The Contractor shall make all test results, including randomly sampled densities, available to the Department onsite.

The Contractor shall cease recycling operations whenever one of the following occurs:

- The computed yield differs from the approved Job Mix Formula by 10% or more.
- The Contractor fails to follow the approved QCP.
- The Contractor fails to achieve 98% density after corrective action has been taken.

Recycling operations shall not resume until the Contractor and the Department agree on the corrective action to be taken.

310.051 Test strip The contractor shall assemble all items of equipment for the recycling operation on the first day of the recycling work. The Contractor shall construct a test strip for the project at a location approved by the Resident. The test strip section is required to:

- Demonstrate that the equipment and processes can produce recycled layers to meet the requirements specified in these special provisions;
- Determine the effect on the grading of the recycled material by varying the forward speed of the paving machine; and;
- Determine the sequence and manner of rolling necessary to obtain the compaction requirements and establish a target TMD. The Contractor and the Department will calibrate their respective gauges at this time.

The test strip shall be at least 100 m [300 ft] in length of a full lane-width (or a half-road width).

Full PMRAP production will not begin until an acceptable test strip has been constructed. If a test strip fails to meet the requirements of this specification, the Contractor will be required to repair or replace the test strip to the

satisfaction of the Resident. Any repairs, replacement, or duplication of the test strip will be at the Contractor's expense.

Quality Assurance density testing of the recycled material will be performed by the Department using the nuclear method. After the test strip has been placed, it will be rolled as directed until the nuclear density readings show an increase in density of less than 16 kg/m<sup>3</sup> [1 pcf] for the final four roller passes. The test strip density will be used as the target density for the recycled material. The remaining PMRAP material shall be compacted to a minimum density of 98% of the target density as determined in the control section.

#### ACCEPTANCE TEST FREQUENCY

Property	Frequency	Test Method
In-place Density	1 per 600 m [2000 ft] / lane	ASTM D 2950

310.052 Repairs Repairs and maintenance for the PMRAP layers, during and after the curing period, resulting from damage caused by traffic, weather or environmental conditions, or caused by the Contractor's operations or equipment, shall be completed at no additional cost to the Department.

Low areas will be repaired using a hot mix asphalt shim course. Areas up to 25mm [1 in] high can be repaired by milling or shimming with hot mix asphalt. Areas higher than 25mm [1 in] will be repaired using a hot mix asphalt shim. All repair work will be done with the Resident's approval at the Contractor's expense.

310.06 Curing No new hot mix asphalt pavement or additional layers of PM-RAP shall be placed on the recycled asphalt pavement until a curing period of (4) four days has elapsed. The curing period starts once the PM-RAP has been placed in the roadway. When weather conditions are unfavorable, the curing period may be extended by the Resident.

310.07 Method of Measurement Plant Mixed Recycled Asphalt Pavement shall be measured by the square meter [square yard].

310.08 Basis of Payment The accepted quantity of Plant Mixed Recycled Asphalt Pavement will be paid for at the contract unit price per square meter [square yard], complete in-place which price will be full compensation for furnishing all equipment and labor for removing existing pavement, regrading and compacting existing gravel base, processing, mixing, testing, placing, and compacting, excess material relocation, and for all incidentals necessary to complete the work.

Payments will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
310.23 - 75mm [3 in] Plant Mixed Recycled Asphalt Pavement	Square Meter [yd <sup>2</sup> ]
310.24 - 100mm [4 in] Plant Mixed Recycled Asphalt Pavement	Square Meter [yd <sup>2</sup> ]
310.25 - 125mm [5 in] Plant Mixed Recycled Asphalt Pavement	Square Meter [yd <sup>2</sup> ]
310.26 - 150mm [6 in] Plant Mixed Recycled Asphalt Pavement	Square Meter [yd <sup>2</sup> ]

**SPECIAL PROVISION**  
**SECTION 403**  
**HOT MIX ASPHALT**

<b>Desc. of Course</b>	<b>Grad. Design</b>	<b>Item Number</b>	<b>Bit Cont. % of Mix</b>	<b>Total Thick</b>	<b>No. Of Layers</b>	<b>Comp. Notes</b>
<b><u>Full Construction Sections</u></b>						
<b><u>Mainline Travelway and Shoulders</u></b>						
Wearing	12.5 mm	403.208	N/A	45mm	1	4,7
Base	19.0 mm	403.207	N/A	60mm	1/more	4,7,11,15
<b><u>Full Construction Sections</u></b>						
<b><u>Angled Parking Area</u></b>						
Wearing	12.5 mm	403.208	N/A	45mm	1	4,7
Base	19.0 mm	403.207	N/A	60mm	1	4,7,11,15
<b><u>Approach Roads</u></b>						
Wearing	12.5mm	403.208	N/A	45mm	1	4,7
Base	19.0mm	403.207	N/A	60mm	1	4,7,11,15
<b><u>Shoulder Widening for Guardrail</u></b>						
Wearing	12.5mm	403.208	N/A	45mm	1	4,7
<b><u>Drives, Parking Areas, Islands, and Sidewalks</u></b>						
Wearing	9.5 mm	403.209	N/A	50mm	2/more	2,3,9,10,13
<b><u>COMPLEMENTARY NOTES</u></b>						

2. The density requirements are waived.
3. The design traffic level for mix placed shall be <0.3 million ESALS.
4. The design traffic level for mix placed shall be 0.3 to <3 million ESALS.
7. Section 106.6 Acceptance, (1) Method A.
9. Section 106.6 Acceptance, (2) Method C, as per Special Provision 401.
10. A "FINE" 9.5 mm mix with a gradation above or through the restricted zone shall be used for this item.
11. A mixture meeting the gradation of 12.5 mm hot mix asphalt may be used at the option of the contractor.
13. A mixture meeting the requirements of section 703.09 Grading 'D', with a minimum PGAB content of 6%, and the limits of Special Provision 401, Table 9 (Drives and Sidewalks) for PGAB content and gradation may be substituted for this item. A job mix formula shall be submitted to the department for approval.
15. Any base or binder mix left exposed to traffic over the winter shall have a layer of 12.5 mm mix substituted for the 19mm mix. If this substitution is made, the specified layers may need to be modified, as approved by the Resident.

**Tack Coat**

A tack coat of emulsified asphalt, RS-1 or HFMS-1, Item #409.15 shall be applied to any existing pavement at a rate of approximately 0.08 L/m<sup>2</sup>, and on milled pavement approximately 0.2 L/m<sup>2</sup>, prior to placing a new course. A fog coat of emulsified asphalt shall be applied between shim / intermediate course and the surface course, at a rate not to exceed 0.08 L/m<sup>2</sup>.

Tack used between layers of pavement will be paid for at the contract unit price for Item 409.15 Bituminous Tack Coat.



SPECIAL PROVISION  
SECTION 502  
STRUCTURAL CONCRETE  
(QC/QA Acceptance Methods)

CLASS OF CONCRETE	ITEM NUMBER	DESCRIPTION	P	METHOD
LP	502.44	Structural Concrete Wearing Surfaces on Bridge	\$600	A
LP	502.323	Texas Classic Rail	\$600	A
A	608.08	Reinforced Concrete Sidewalk	\$400	A

P values listed above reflect the price per cubic meter (yd<sup>3</sup>) for all pay adjustment purposes.

**SPECIAL PROVISION**  
**SECTION 502**  
**ANNULAR SPACE GROUTING**

**Description:** This work shall consist of providing and placing non-shrink grout as described below. The annular space (void between the host and liner pipes) shall be completely grouted to support the liner and provide long-term stability. The Contractor shall provide testing of the materials and methods for compliance with the following requirements. Prior to any work the Contractor shall furnish an acceptable plan for performing and testing the grouting.

**Preparation:** After slip liner installation but prior to grouting, bulk heading of the ends and venting shall be constructed.

After bulk heading of the ends and venting, test the integrity of the installed liner pipe and constructed bulkheads for any leaks.

**Planned Vents:** The Contractor shall submit shop drawings or indicate in the installation plan the proposed number and location of vents relative to pipe diameter and stiffness for the grouting operations.

**Materials:** The grout material shall consist of portland cement (portland cement and fly ash) and/or additives as described in the following Subsections of Division 700 - Materials:

Portland Cement	701.01
Water	701.02
Air-Entraining Admixtures	701.03
Fine Aggregate	703.01
Fly Ash	701.10 Type F or C
Chemical Admixtures	701
Accelerating Admixtures	AASHTO M-194 Type "C"

(a) **Compressive Strength:** The grout shall have a minimum penetration resistance of 700 kPa [100 psi] in 24 hours when tested in accordance with ASTM C403 and a minimum compressive strength of 3500 kPa [500 psi] in 28 days when tested in accordance with ASTM C495 or C109.

(b) **Performance Requirements:** The Contractor shall submit the proposed grout mix, methods, plans and criteria of the grouting operations. The grouting system shall have sufficient gauges, monitoring devices and tests to determine the effectiveness of the grouting operation and to ensure compliance with the liner pipe specifications and design parameters.

(c) Mix Designs: One or more mixes shall be developed to completely fill the annular space based on the following requirements:

- (1) Size of annular void
- (2) Void (size) of the surrounding soil
- (3) Absence or presence of groundwater
- (4) Sufficient strength and durability to prevent movement of the liner pipe, and
- (5) Provide adequate retardation.

Qualifications: The Contractor shall demonstrate to the Resident its worker's capabilities of filling the annular space and performing their work in conformance with the Plans and the Specifications.

Grouting Equipment: The materials shall be mixed in equipment of sufficient size and capacity, to provide the desired amount of grout material for each stage, in a single operation. The equipment shall be capable of mixing the grout at densities required for the approved procedure and shall also be capable of changing density as dictated by field conditions any time during the grouting operation.

Injection Procedure and Pressure: The gauged pumping pressure shall not exceed the liner pipe Manufacturer's approved recommendations. Pumping equipment shall be of a size sufficient to inject grout at velocity and pressure relative to the size of the annular space. Gauges to monitor grout pressure shall be attached immediately adjacent to each injection port. The gauge shall conform to an accuracy of not more than one-half percent error over the full range of the gauge. The range of the gauge shall be not more than 100 percent greater than the design grout pressure. Pressure gauges shall be instrument oil filled and attached to a saddle type diaphragm seal (gauge saver) to prevent slogging with grout. All gauges shall be certified and calibrated in accordance with ANSI B40 Grade 2A.

Test Section: The Contractor shall be required to perform a test on each type of grout and grout system proposed to be used.

Submittals and Required Calculations: The Contractor shall submit the following to the Resident for his review and approval at least 30 working days prior to the start of the grouting operation:

- (1) The proposed grouting mix
- (2) The proposed densities and viscosities
- (3) Initial set time of the grout
- (4) The proposed grouting method
- (5) The maximum of injection pressures
- (6) The 24-hour and 28 day compressive strengths
- (7) Proposed grout stage volumes
- (8) Bulkhead designs

- (9) Buoyant force calculations
- (10) Flow control
- (11) Provisions for service connections
- (12) Pressure gauge certification
- (13) Vent location plans
- (14) Certification that grouting plan conforms with all provisions, cautions and restrictions or the liner manufacturer.

These shall be submitted as a complete package for a single or sample section only. The Contractor shall notify the Resident of any changes to be made in grouting.

**Method of Measurement:** Grout installed to fill annular space and existing pipe backfill voids will be considered incidental to Item 603.2191 Culvert Sliplining.

**Basis of Payment:** Payment for grout installed to fill annular space and existing pipe backfill voids will be considered incidental to Item 603.2191 Culvert Sliplining. No additional payment will be made under this special provision.

SPECIAL PROVISION  
SECTION 525  
GRANITE MASONARY  
(Boulder Retaining Wall)

525.01 Description. This work shall consist of constructing mortarless Boulder Retaining Walls from boulders salvaged from common excavation, and additional boulders from other approved sources if necessary, in accordance with these specifications and in reasonably close conformity with the lines, grades, design and dimensions shown on the plans and Special Details, or as directed by the Resident.

The Boulder Retaining Wall is comprised of the following components:

- a. Boulders – boulders meeting the requirements of 525.021 and 525.022 of this specification.
- b. Leveling Course - a layer constructed from crushed stone used to provide a level surface to place wall boulders.
- c. Filter Layer - crushed stone placed immediately behind the boulders and filter fabric.
- d. Backfill - soil placed behind the filter layer.
- e. Foundation - soil mass supporting the Boulder Retaining Wall.
- f. Filter Fabric - drainage geotextile placed behind the boulders or as shown on the plans.
- g. Drain Pipe - perforated or slotted gravity piped system meeting the requirements of 706.06 Corrugated Polyethylene Pipe for Underdrain, installed within the back of the leveling pad with an outlet to existing drainage systems or ditches.

MATERIALS

525.021 Boulder Quality. All boulders shall be sound rock that is resistant to weathering and obtained from within the project limits. The longest dimension of any individual boulder should not exceed three times its shortest dimension. Any additional boulders from sources outside the project limits needed to complete the walls shall generally match the texture, size, type and color of the existing boulders. All boulders shall be free from fracture, structural defects and shall be cleaned. All boulders shall be subject to the approval of the Resident.

525.022 Rock Density. Recognizing that numerous sources of rock exist, and that the nature of rock will vary not only between sources but also within each source, the density of the rock shall be equal to, or greater than, 155 pounds per cubic foot (pcf). Typically, boulders used for boulder retaining wall construction shall be sized approximately as follows:

<u>Boulder Size</u>	<u>Boulder Weight</u>	<u>Average Dimension</u>
One man	50-200 pounds	12 to 18 inches
Two man	200-700 pounds	18 to 28 inches
Three man	700-2000 pounds	28 to 36 inches
Four man	2000-4000 pounds	36 to 48 inches
Five man	4000-6000 pounds	48 to 54 inches

Six man

6000-8000 pounds

54 to 60 inches

In boulder retaining walls over eight feet in height, it should not be possible to move the large sized boulders (four to six-man size) with a pry bar. If these boulders can be moved, the boulder wall should not be considered capable of restraining any significant lateral load. However, it is both practical and even desirable that smaller boulders, particularly those used for “chinking” purposes, can be moved with a pry bar to achieve the “best fit”.

525.023 Leveling Course. The leveling course shall conform to Section 703.22, Underdrain Backfill Material, Type C.

525.024 Filter Layer. The filter layer shall consist of Underdrain Backfill Material Type C, 703.22. The filter layer shall be used for a minimum distance of 300 mm (12 inches) from the back of the boulders.

525.025 Backfill. The backfill used behind the boulder retaining wall shall meet the requirements of Granular Borrow, MDOT Standard Specification 703.19, Material for Embankment Construction. .

525.026 Foundation. The foundation shall have sufficient strength to maintain global stability of the Boulder Retaining Wall. If deemed by the Resident, the in-situ soils may be used. If the boulder retaining wall is to be founded on fill, it shall consist of Granular Borrow, Section 703.19. The foundation shall be compacted to 95% of the maximum density as determined by AASHTO T-180, Method C or D. The moisture content of the foundation material prior to and during compaction shall be uniformly distributed throughout each layer and shall be within 2 percentage points dry of optimum.

525.027 Filter Fabric. The filter fabric shall be a geotextile meeting the requirements of the Standard Specifications, Subsection 722.02, Drainage Geotextile.

525.028 Drain Pipe. – The drain pipe shall consist of a perforated or slotted gravity piped system meeting the requirements of 706.06 Corrugated Polyethylene Pipe for Underdrain.

## CONSTRUCTION REQUIREMENTS

525.031 General Requirements. Boulder retaining wall construction is a craft and depends largely on the skill and experience of the builder. A boulder retaining wall is a protective system which helps to retard the weathering and erosion process acting on an exposed cut or fill soil face. While by its nature (the mass, size and shape of the boulders) it will provide some undetermined degree of retention, it is not a designed or engineered system in the sense a reinforced concrete retaining wall would be considered designed or engineered. The degree of retention achieved is dependant on the size of boulders used; that is, the “mass” or weight, and the height of the boulder retaining wall being constructed. The larger the boulder, the more competent the boulder retaining wall.

525.032 Slopes. Slopes above boulder retaining walls should be kept as flat as possible, but should not exceed 2H:1V unless the boulder wall is designed specifically to provide some restraint to the load imposed by the slope. Any slope existing above a completed boulder retaining wall should be

covered with vegetation to help reduce the potential for surface water flow induced erosion. It should consist of a deep rooted, rapid growth vegetative mat, will typically be placed by hydroseeding and covered with a mulch. It is often useful to overlay the seed and mulch with either pegged in-place jute matting, or some other form of approved geotextile, to help maintain the seed in-place until the root mat has an opportunity to germinate and take hold.

525.033 Leveling Course. The first step in boulder retaining wall construction, after general excavation, is to construct a leveling course on which to build the boulder retaining wall. The leveling course shall be comprised of a crushed stone pad at least 300 mm (12 in) in depth, extending for the full length of the boulder retaining wall. The leveling course shall be the equal to the width of the base boulders, plus the width of the filter layer, and a minimum of 300 mm (12 in) extending in front of the face of the base boulders.

525.034 Drainage. A 150 mm (6 in) diameter (minimum) perforated or slotted underdrain pipe shall be installed within the back of the leveling course and bedded on and surrounded by crushed stone. Burial of the drain pipe in the back of the leveling course provides protection to the pipe and helps prevent it from being inadvertently crushed by pieces of the boulders. This drain pipe should be installed with sufficient gradient to initiate flow, and the outfall should be connected to a positive and permanent discharge.

525.035 Boulder Wall Thickness. The individual boulder retaining wall thickness should be equal to the thickness of the size of the base boulders plus the thickness of the drainage layer. This thickness, will be dependant on the specific boulder sizes for each individual boulder wall. For example, if four-man boulder is used, the boulder wall thickness will be approximately five feet.

525.036 Boulder Selection. The contractor should have sufficient space available so that he can select from among a number of stockpiled boulders for each space in the boulder retaining wall to be filled. Boulders which have shapes which do not match the spaces offered by the previous course of boulders should be placed elsewhere to obtain a better fit. Boulders should be of a generally cubical, tabular or rectangular shape and selected in accordance with Section 525.022 of this specification. Any boulders of basically rounded or tetrahedral form should be rejected or used for filling large void spaces.

525.037 Boulder Placement. The first course of boulders shall be placed on the crushed stone leveling course. There should be full contact between the boulder and crushed stone, which may require shaping of the leveling course surface or slamming or dropping the boulders into place so that the crushed stone conforms to the boulder face bearing on it. The bottom of the first course of boulders shall have a minimum embedment depth of 300 mm (12 in) below the lowest adjacent site grade.

As the boulder retaining wall is constructed, the boulders shall be placed so that there are no continuous joint planes in either the vertical or lateral direction. Each boulder should bear on at least two boulders below it. Boulders should be placed so that there is some bearing between flat boulder faces rather than on joints. Joints between courses should slope back towards the cut face (away from the face of the boulder wall).

525.038 Face Inclination. The face of the boulder retaining wall should be inclined at a gradient of about 1H:6V back towards the face being protected. The minimum inclination is 1H:4V.

525.039 Voids. Because of the nature of the product used to construct a boulder retaining wall, it is virtually impossible to avoid creating void spaces between individual boulders. However, it should be recognized that voids do not necessarily constitute a problem in boulder retaining wall construction. As the size of boulders used to build a boulder retaining wall increases, i.e. to six-man size, the void spaces between individual boulders should be expected to be larger. Where voids of greater than six inches in dimension exist in the face of a boulder retaining wall they should be visually examined to determine if contact between the boulders exists within the thickness of the boulder retaining wall. If contact does exist, no further action is required. However, if there is no boulder contact within the boulder retaining wall thickness, the void should be “chinked” with a smaller piece of rock.

525.040 Drainage Layer. In order to provide drainage control behind the boulder retaining wall, and as a means of helping to prevent loss of soil through the face of the boulder retaining wall, a drainage layer shall be installed between the rear face of the boulder retaining wall and the soil face being protected. The drainage layer shall be a minimum of 300 mm (12 inches) thick; and for boulder walls in excess of eight feet in height, it shall be a minimum of 450 mm (18 inches) thick.

525.041 Filter Fabric. A geotextile fabric shall be placed between the back of the boulder retaining wall and the drainage layer to prevent the loss of material through the voids in the boulders.

525.042. Surface Drainage. Surface drainage from above the boulder retaining wall shall be intercepted and directed away from the boulder retaining wall to a positive and permanent discharge well below and beyond the toe of the rock wall.

525.05 Measurement. The Boulder Retaining Wall will be measured by the square meter (square foot) of front surface not to exceed the dimensions shown on the plans or as authorized by the Resident. Vertical dimension limits will be from the top of the leveling pad to the top of the wall. Horizontal dimension limits will be from the edges of the boulders at each end of the wall.

525.06 Basis of Payment. The accepted quantity of Boulder Retaining Wall will be paid for at the contract unit price per square meter (square foot), complete, cleaned of debris and accepted in place. The unit price shall be full compensation for excavation, backfill, and grading beyond the face of the wall and furnishing all materials, labor, equipment, additional boulders, and other incidentals necessary to complete the work.

Payment will be made under:

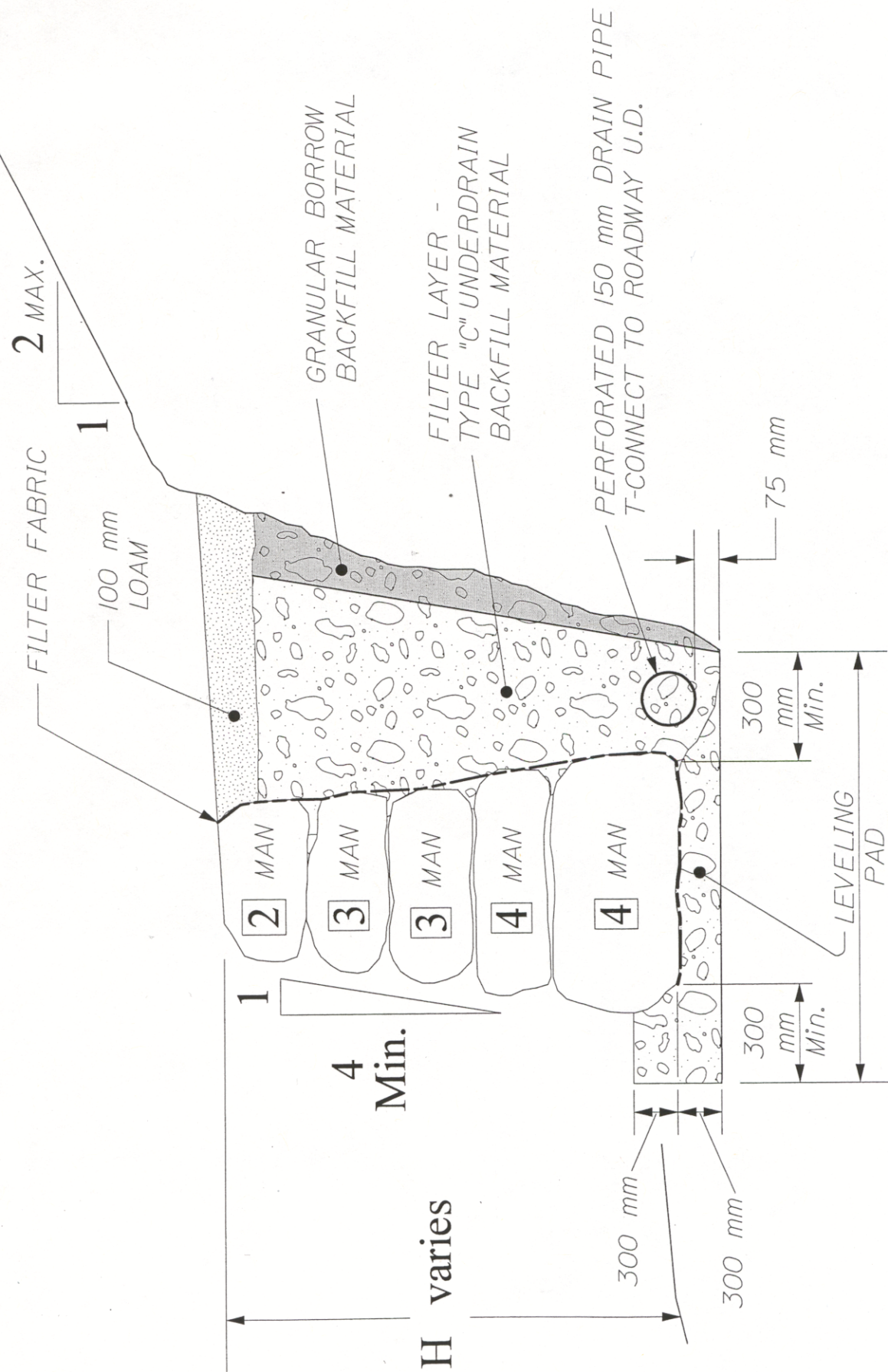
Pay Item

Pay Unit

525.62 Boulder Retaining Wall

Square meter (Square Foot)





Boulder Wall Section  
 ( Not to Scale )

SPECIAL PROVISIONS  
**SECTION 525**  
GRANITE MASONRY  
(Dry-Laid Stone Masonry Wall)

525.01 Description. This work shall consist of constructing stone masonry walls from granite stone slabs and/or field stones salvaged from the existing structures and additional stones as necessary, without mortar, matching existing structures, and in accordance with these specifications, in reasonably close conformance with lines and grades as shown in the plans and as directed by the Resident.

The Dry-Laid Stone Masonry Wall is comprised of the following components:

- a. Wall Stones – hard, durable, flat quarried or field stones with flat faces in a mixture of sizes to be stacked in a compact and stable mass.
- b. Leveling Course - a layer constructed from crushed stone used to provide a level surface to place wall stones.
- c. Filter Layer - crushed stone placed immediately behind the wall stones and/or slabs.
- d. Backfill - soil placed behind the filter layer.
- e. Foundation - soil mass supporting the Dry-Laid Stone Masonry Wall.
- f. Filter Fabric - drainage geotextile placed as shown on the plans.
- g. Drain Pipe - perforated or slotted gravity piped system installed within the back of the leveling pad with an outlet to existing drainage systems or ditches.

MATERIALS

525.021 Stones. Stones and slabs shall be obtained from the existing structures or salvaged from within the project limits or other approved sources. Any additional stones or slabs required to complete the walls shall generally match the texture, size, type and color of the existing stones or slabs. All stones and slabs shall be free from fracture, structural defects and shall be cleaned of concrete. All stones and slabs shall be subject to the approval of the Resident.

525.022 Leveling Course. The leveling course shall conform to Section 703.22, Underdrain Backfill Material, Type C.

525.023 Filter Layer. The filter layer shall consist of Underdrain Backfill Material Type C, 703.22. The filter layer shall be used for a minimum distance of 300 mm (12 inches) from the back of the boulders.

525.024 Backfill. The backfill used behind the wall shall meet the requirements of Granular Borrow, MDOT Standard Specification 703.19, Material for Embankment Construction. .

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525.025 Foundation. The foundation shall have sufficient strength to maintain global stability of the Dry-Laid Stone Masonry Wall. If deemed by the Resident, the in-situ soils may be used. If the Dry-Laid Stone Masonry Wall is to be founded on fill, it shall consist of Granular Borrow, Section 703.19. The foundation shall be compacted to 95% of the maximum density as determined by AASHTO T-180, Method C or D. The moisture content of the foundation material prior to and during compaction shall be uniformly distributed throughout each layer and shall be within 2 percentage points dry of optimum.

525.026 Filter Fabric. The filter fabric shall be a geotextile meeting the requirements of the Standard Specifications, Subsection 722.02 Drainage Geotextile.

525.027 Drain Pipe. – The drain pipe shall consist of a perforated or slotted gravity piped system meeting the requirements of 706.06 Corrugated Polyethylene Pipe for Underdrain.

## CONSTRUCTION REQUIREMENTS

525.031 General. The stone walls shall be constructed by a skilled craftsperson thoroughly experienced with this type of work. Before setting stones, all stones shall be cleaned free of dirt and soil. Cleaning methods shall be non-destructive to the stone and approved by the Resident. The dry-laid stone retaining wall shall be constructed as shown on the plans, special details, and shall match the existing structures, or as approved by the Resident.

Care shall be taken to keep weathered faces exposed.

The spaces between larger stones shall be filled with smaller stones in such a manner that both faces shall become a compact mass of stone. No mortar shall be used. The stone wall shall be designed and constructed to act as a mass retaining wall. The wall front and rear surfaces shall be battered in accordance with the details or as approved by the Resident.

The final wall shall be cleaned within five days of completion using previously approved methods. The site shall also be cleaned of all excess materials, debris, tools and equipment.

525.032 Foundation. The foundation shall have sufficient strength to maintain global stability of the Dry-Laid Stone Masonry Wall. The in-situ soils may be used at the direction of the Resident. Foundation soils shall be brought to the desired grade as required for footing and base dimensions shown on the construction drawings or as directed by the Resident, and shall be rough graded, and compacted to obtain a reasonably firm level surface.

525.033 Leveling Course. The leveling course shall be placed to the lines and grades as shown on the construction drawings, and shall have a minimum thickness of 300 mm (12 inches). The leveling pad shall extend at least 300 mm beyond the wall stones in all directions. Steps in the leveling course shall have a minimum overlap of 200 mm (8 inches).

525.034 Drainage. A 150 mm (6 in) diameter (minimum) perforated or slotted underdrain pipe shall be installed within the back of the leveling course and bedded on and surrounded by crushed stone. This drain pipe should be installed with sufficient gradient to initiate flow, and the outfall should be connected to a positive and permanent discharge.

525.035 Drainage Layer. A drainage layer shall be installed between the rear face of the Dry-Laid Stone Masonry Wall and the soil face being protected. The drainage layer shall be a minimum of 300 mm (12 inches) thick.

525.035 Backfill. Backfill shall be placed, spread, and compacted from the back of the crushed stone drainage layer toward the limits of the excavation. Backfill shall be placed in lifts not to exceed 200 mm (8 inches) and compacted with lightweight, hand operated compaction equipment. Backfill beyond 1 meter (3 feet) from the back of the crushed stone shall be compacted to 95% of the maximum density as determined by AASHTO T-180, Method C or D. The moisture content of the backfill material prior to and during compaction shall be uniformly distributed throughout each layer and shall be within 2 percentage points dry of optimum.

525.036 Filter Fabric. The filter fabric shall be placed between the native soils and the leveling course and drainage layer/backfill.

525.038 Stone Placement. The wall shall be constructed of hand fitted fieldstone or quarried stone. The stones shall be placed such that a minimum of 1800 kg of palletized stone is used for each m<sup>3</sup> of wall (1.5 tons/cy).

Joints shall be level and horizontal; only short vertical joints will be allowed and no more than two vertical joints may be stacked above each other. Stones shall be stacked in a manner such that diagonal joints are kept to a minimum. Joint size in the face of the wall should be kept to a minimum and should not exceed 38 mm (1.5 inches).

The top of the wall should be at least 400 mm (16 inches) wide. The width of the base should be approximately 2/3 of the wall height, with a gradual taper from the base to the top of the wall. Stones shall be placed so the face of the wall has a minimum batter of 1:12.

A hand fitted course of cap stones shall be placed on top of the wall. This shall be constructed of stones of similar size and thickness. Each stone in the cap shall be of sufficient size to withstand accidental movement.

525.04 Method of Measurement. The Dry-Laid Stone Masonry Wall will be measured by the square meter (square foot) of front surface not to exceed the measurements shown on the plans or as authorized by the Resident. Vertical dimension limits will be from the top of the leveling pad to the top of the cap stone layer. Horizontal dimension limits will be from each end of the wall.

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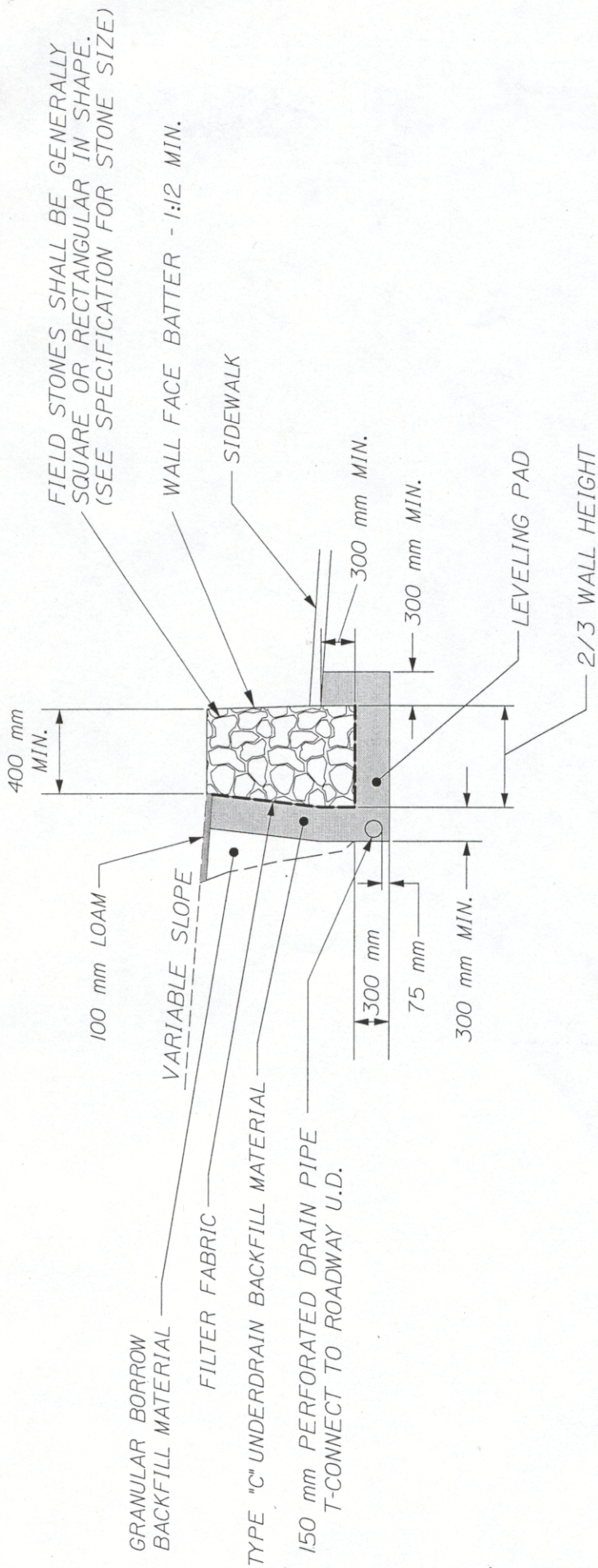
No deduction will be made for joints.

525.05 Basis of Payment. The accepted quantity of Dry-Laid Stone Masonry Wall will be paid for at the contract unit price per square meter of wall built to the limits shown on the plans, details and as directed by the Resident. The unit price shall include full compensation for removing existing walls, excavation, bedding, drainage features, backfill, cleaning, furnishing all materials, including additional stones if necessary, labor, equipment and other incidentals necessary to complete the work. The payment will be full compensation for all materials, labor, equipment, transportation of materials, and incidentals necessary to complete the work.

Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
525.325      Dry-Laid Stone Retaining Wall	Square Meter





## DRY - LAID STONE MASONRY WALL

( Not to Scale )

SPECIAL PROVISION  
**SECTION 534**  
PRECAST STRUCTURAL CONCRETE  
(Precast Structural Concrete Arches, Box Culverts)

**534.10 Description.** The Contractor shall design, manufacture, furnish, and install elements, precast structural concrete structures, arches, or box culverts and associated wings, headwalls, and appurtenances, in: accordance with the contract documents.

**534.20 Materials.** Structural precast elements for the arch or box culvert and associated precast elements shall meet the requirements of the following Subsection:

Structural Precast Concrete Units	712.061
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Grout, concrete patching material, and geotextiles shall be one of the products listed on the Department's list of prequalified materials, unless otherwise approved by the Department.

**534.30 Design Requirements.** The Contractor shall design the precast structural concrete structure in accordance with the AASHTO Standard Specifications for Highway Bridges, current edition, by either the Load Factor Design (LFD) or Load and Resistance Factor Design (LRFD) method. The design live load shall be as follows: MS-22.5 (HS-25) for LFD method, \*modified HL-93 strength I for LRFD method, \*(modify HL-93 by increasing all wheel loads by a factor of 1.25)

The Contractor shall submit design calculations and shop drawings for the precast structure to the Department for approval. A Registered Professional Engineer, licensed in accordance with State of Maine laws, shall sign and seal all design calculations and drawings. The Contractor shall submit a bridge rating on the Department's Standard Bridge Rating Summary Sheet with the design calculations. Drawings shall conform with Subsection 105.7 - Working Drawings.

The Contractor shall submit the following items for review by the Resident at least ten working days prior to production:

- A) The name and location of the manufacturer.
- B) Method of manufacture and material certificates.
- C) Description of method of handling, storing, transporting, and erecting the members.
- D) Shop Drawings with the following minimum details:
  - 1) Fully dimensioned views showing the geometry of the members, including all projections, recesses, notches, openings block outs, and keyways. I
  - 2) Details and bending schedules of reinforcing steel including the size, spacing, and location. Reinforcing provided under lifting devices shall be shown in detail.
  - 3) Details and locations of all items to be embedded.

4) Total mass (weight) of each member.

**534.40 Construction Requirements.** The applicable provisions of Subsection 535.10 - Methods and Equipment and Subsection 535.20 - Forms and Casting Beds shall be met.

**Manufacture of Precast Units.** The internal dimensions shall not vary by more than 1 percent from the design dimensions or 38 mm [1 1/2 inch], whichever is less. The haunch dimensions shall not vary by; more than 19 mm [3/4 inch] from the design dimension. The dimension of the legs shall not vary by more than 6 mm [1/4 inch] from the dimension shown on the approved shop drawings.

The slab and wall thickness shall not be less than the design thickness by more than 6mm [1/4 inch]. A thickness greater than the design thickness shall not be cause for rejection.

Variations in laying lengths of two opposite surfaces shall not be more than 15 mm [5/8 inch] in any section, except where beveled ends for laying of curves are specified.

The under-run in length of any section shall not be more than 12 mm [1/2 inch].

The cover of concrete over the outside circumferential reinforcement shall be 50 mm [2 inch] minimum. The concrete cover over the inside reinforcement shall be 38 mm [1 1/2 inch] minimum. The clear distance of the end of circumferential wires shall not be less than 25 mm [1 inch] or more than 50 mm [2 inch] from the end of the sections. Reinforcement shall be single or multiple layers of welded wire fabric or a single layer of deformed billet steel bars.

Welded: wire fabric shall meet the space requirements and contain sufficient longitudinal wires extending through the section to maintain the shape and position of the reinforcement. Longitudinal distribution reinforcement may be welded wire fabric or deformed billet steel bars which meet the spacing requirements. The ends of the longitudinal distribution reinforcement shall be not more than 75 mm [3 inch] from the ends of the sections.

The inside circumferential reinforcing Steel for the haunch radii or fillet shall be bent to match the radii or fillets of the forms.

Tension splices in the reinforcement will not be permitted. For splices other than tension splices, the overlap shall be a minimum of 300 mm [12 inch] for welded wire fabric or billet steel bars. The spacing center to center of the circumferential wires in a wire fabric sheet shall be not less than 50 mm [2 inch] or more than 100 mm [4 inch]. For the wire fabric, the spacing center to center of the longitudinal wires shall not be more than 200 mm [8 inch]. The spacing center to center of the longitudinal distribution steel for either line of reinforcing in the top slab shall be not more than 375 mm [15 inch].

The members shall be free of fractures. The ends of the members shall be normal to the walls and centerline of the section, with in the limits of variation provided, except where beveled ends are



specified. The surfaces of the members shall be a smooth steel form or troweled surface finish, unless a form liner is specified. The ends and interior of the assembled structure shall make a continuous line of members with a smooth interior surface.

Defects which may cause rejection of precast units include the following;

- 1) Any discontinuity (crack or rock pocket etc.) of the concrete which could allow moisture to reach the reinforcing steel.
- 2) Rock pockets or honeycomb over 4000 mm" [6 square inch] in area or over 25 mm' [1 inch] deep.
- 3) Edge or corner breakage exceeding 300 mm [12 inch] in length or 25 mm [1 inch], in depth.
- 4) Extensive fine hair cracks or checks.
- 5) Any other defect that clearly and, substantially impacts the quality, durability, or maintainability of the structure as measured by accepted industry standards.

The Contractor shall store and transport members in a manner to prevent cracking or damage. The Contractor shall not place precast members in an upright position until a compressive strength of at least 30 mPa [43 50 psi] is attained.

**Installation of Precast Units.** The Contractor shall not ship precast members until sufficient strength has been attained to withstand shipping, handling and erection stresses without cracking, deformation, or spalling (but in no case less than 30 mPa [4350 psi]).

The Contractor shall set precast members on 12 mm [1/2 inch] neoprene pads during shipment to prevent damage to the section legs. The Contractor shall repair any damage to precast members resulting from shipping or handling by saw cutting a minimum of 12 mm [1/2 inch] deep around the perimeter of the damaged area and placing a polymer- modified cementitious patching material.

When footings are required, the Contractor shall install the precast members on concrete footings that have reached a compressive strength of at least 20 mPa [2900 psi]. The Contractor shall construct the completed footing surface to the lines and grades shown on the plans. When checked with a 3 m [10 foot] straightedge, the surface shall not vary more than 6mm [1/4 inch] in 3 meters [110 foot]. The footing keyway shall be filled with a non-shrink flowable cementitious grout with a design compressive strength of at least 35mPa {5075psi}.

The Contractor shall fill holes that were cast in the units for handling, with either Portland cement mortar, or with precast plugs secured with Portland cement mortar, or other approved adhesive. The Contractor shall completely fill the exterior face of joints between precast members with an approved material and cover with a minimum 300 mm [12 inch] wide joint wrap. The surface shall be free of dirt and deleterious materials before applying the filler material and joint wrap. The Contractor shall install the external wrap in one continuous piece over each member joint, taking care to keep the joint wrap in place during backfilling. The Contractor shall seal the joints between the end unit and attached elements with a non-woven

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geotextile. The Contractor shall install and tighten the bolts fastening the connection plate(s) between the elements that are designed to be fastened together as designated by the manufacturer.

Final assembly shall be approved by the manufacturer's representative prior to backfilling. The Contractor shall backfill the structure in accordance with the manufacturer's instructions and the Contract documents. The Contractor shall uniformly distribute backfill material in layers of not more than 200 mm [8 inch] depth, loose measure, and thoroughly compact each layer using approved compactors before successive layers are placed. The Contractor shall compact gravel borrow backfill in accordance with Subsection 203.12 - Construction of Earth Embankment with Moisture and Density Control, except that the minimum required compaction shall be 95 percent of maximum density as determined by AASHTO T99, Method C or D. The Contractor shall place and compact backfill without disturbance or displacement of the wall units, keeping the fill at approximately the same elevation on both sides of the structure. Whenever a compaction test fails, the Contractor shall not place additional backfill over the area until the lift is re-compacted and a passing test achieved.

The Contractor shall use hand operated compactors within 1.5 m [5 foot] of the precast structure as well as over the top until it is covered with at least 300 mm [12 inch] of backfill. Equipment in excess of 11 Mg [12 tons] shall not use the structure until a minimum of 600 mm [24 inch] of backfill cover is in place and compacted.

**534.50 Method of Measurement.** The Department will measure Precast Structural Concrete Arch or Box Culvert for payment per Lump Sum each, complete in place and accepted.

**534.60 Basis of Payment.** The Department will pay for the accepted Quantity of Precast Structural Concrete Arch or Box Culvert at the Contract Lump Sum price, such payment being full compensation for all labor, equipment, materials, professional services, and incidentals for furnishing and installing the precast concrete elements and accessories. Falsework, reinforcing steel, jointing tape, grout, cast-in-place concrete fill or grout fill for anchorage of precast wings and/or other appurtenances is incidental to the Lump Sum pay item. Cast-in-place concrete, reinforcing steel in cast-in-place elements, excavation, backfill material, and membrane waterproofing will be measured and paid for separately under the provided Contract pay items. Pay adjustments for quality level will not be made for precast concrete.

Payment will be made under:

Pay Item	Pay Unit
534.70 Precast Structural Concrete Arch	Lump Sum
534.71 Precast Concrete Box Culvert	Lump Sum

SPECIAL PROVISION  
SECTION 603  
PIPE CULVERTS AND STORM DRAINS  
(Culvert Sliplining)

**Description:** This work shall consist of furnishing and installing a new pipe into an existing roadway culvert as a liner and furnishing and filling the annular space between the liner and existing pipe with grout in accordance with the plans and specifications.

**Materials:** Materials shall meet the following requirements:

Pipe/Liner shall meet the requirements for Option III pipe as described in the Standard Specifications Section 603.

Grout shall meet the requirements of Special Provision 502 Annular Space Grouting.

**Construction Requirements:** Handle and assemble all elements of the structure in accordance with the manufacturer's instructions, except as modified herein, on the plans or as ordered by the Resident in writing. The Contractor shall submit fabrication and installation details including assembly drawings, pipe insertion methods, internal joint coupling and bracing details, to the Resident for review. The Resident will be allowed a minimum of 7 working days to review the Contractor's submittal.

The Contractor will dewater, inspect, and clean the existing culvert. The Resident and Contractor shall identify voids in the backfill around the existing culvert by visual inspection or by chain drag or other sounding method acceptable to the Resident. The Contractor shall fill all voids by cutting holes in the culvert and pumping grout into the areas of lost backfill. The Contractor shall provide strutting and bracing to insure the stability of the existing culvert during this operation.

The Contractor may push or pull pipe sections into place. The Contractor shall utilize skids in the existing culvert, to facilitate placement of the pipe sections. The displacement between adjacent pipe ends shall not exceed 13 mm [ $\frac{1}{2}$  in].

Brace the pipe sections against the existing culvert such that the new pipe shall remain in place during grouting operations. The Contractor is responsible for assuring that the pipe does not "Float" during the grouting operation. Provide for a minimum 25 mm [1 in] of grout between the new and existing culverts. Bracing material shall not significantly impede grout flow into the annular space between the culverts.

Seals: Place plywood or material of equivalent strength, in the annular space at each end of the culvert, to retain grout. Seals may be left in place providing they do not interfere with bank protection and that they are not visible upon completion of bank protection.

**Method of Measurement:** Culvert sliplining shall be measured by the length in meters along the invert, installed as directed, complete in place and accepted.

**Basis of Payment:** The accepted quantity of sliplining will be paid for at the contract unit price per meter complete in place. Payment for culvert sliplining will be full compensation for furnishing all labor, materials and equipment necessary to manufacture and install the pipe liner and grout, including: but not limited to dewatering, cleaning, inspecting, strutting, bracing, skids, concrete grout, joint bands, seals, installing grout nipples, plugs, fittings, hardware, and damaged pipe repair. No additional payment will be made for grout used to fill the annular space and backfill voids.

Payment will be made under:

<b><u>Pay Item</u></b>	<b><u>Pay Unit</u></b>
603.2191 Liner for 900mm Culvert Pipe (750mm Liner)	meter

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**SPECIAL PROVISION**  
**SECTION 604**  
**MANHOLES, INLETS, AND CATCH BASINS**  
**(Special Catch Basin)**

**Description:** Amend the Standard Specification as follows. This provision is to allow construction of catch basins, at locations shown on the plans Labeled Type J, from materials meeting requirements of Option III pipe as described in the Standard Specifications Section 603 - Pipe Culverts and Storm Drains.

**Materials:** In addition to the material requirements of the Standard Specifications Section 604 – Manholes, Inlets and Catch Basins, basin materials and stubs shall meet requirements of Option III pipe as described in the Standard Specifications Section 603 - Pipe Culverts and Storm Drains. Material specifications shall be submitted for approval of the Resident.

**Construction Requirements:** Catch basins installed under this provision are intended to be in general conformance with Standard Detail 604(09), Catch Basin Type “E”, or as approved by the Resident. Shop drawings of installation shall be submitted for approval of the Resident.

Pipe catch basins shall be mounted on a portland cement concrete foundation as shown in the standard details, as designed by the manufacturer and as directed by the Resident.

Metal frames shall be secured to the basin as designed by the manufacturer and as approved by the Resident.

**Method of Measurement:** Standard Specification applies.

**Basis of Payment:** Standard Specification applies.

Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
604.30 Special Catch Basin (Labeled Type J)	Each

SPECIAL PROVISION  
SECTION 606  
GUARDRAIL  
(Remove and Dispose)

This Section of the Standard Specifications is amended by the addition of the following:

Description This work shall consist of the removing and disposing of existing beam guardrail, as indicated on the plans or as directed.

CONSTRUCTION REQUIREMENTS

General The existing guardrail shall be removed and shall become the property of the Contractor to be disposed of off the project.

Method of Measurement Guardrail, Remove and Dispose, will be measured by the meter [foot] of rail.

Basis of Payment The quantity of Guardrail, Remove and Dispose, will be paid for at the contract unit price per meter [foot].

Payment will made under:

<u>Pay Item</u>	<u>Pay Unit</u>
606.363 Guardrail, Remove and Dispose	Meter [Foot]

SPECIAL PROVISION  
SECTION 608  
REINFORCED CONCRETE SIDEWALK

Materials . Section 608.02 is amended as follows :

Portland cement concrete for concrete sidewalk areas shall meet the requirements of Section 502, Structural Concrete, Class A.

SPECIAL PROVISION  
SECTION 608

DETECTABLE WARNINGS  
(Masonry Pavers)

Description: This work includes the installation of detectable warnings on concrete and/or asphalt curb ramps at the locations shown in the plans and in accordance with the plans or as established by Project Personnel.

Materials:

General All base courses and joints shall conform to the applicable subsections of Division 700 of the Standard Specifications.

The Contractor shall provide new, vacuum dry-pressed, bevel-edged and kiln-fired, solid (uncored), hard-burned, frost-free, masonry pavers complying with the requirements of ASTM C902, Class SX, Application PS, with the following modifications:

- (a) The maximum absorption limit shall be 8 percent for the average of five bricks.
- (b) The minimum compressive strength shall not be less than 8,000 pounds per square inch.
- (c) The modulus of rupture shall not be less than 1,000 pounds per square inch.
- (d) The bricks shall be No. 1, water struck type for paving.

A. Samples and Submittals:

1. The following list is provided for information only, and does not limit the Contractor to the use of only these suppliers. However, the Contractor shall submit a sample of the product, the name of the selected supplier, and color samples to the Project Personnel for approval prior to start of work.

Vendor Name	Product	Phone Numbers
Whitacre-Greer c/o Brooks Brick Co.	Masonry Pavers	(207) 989-3318
Endicott Clay Products	Masonry Pavers	(402) 729-3315



B. Masonry pavers and sand bedding shall conform to the following material requirements:

1. Detectable warnings on curb ramps shall be truncated domes of the dimensions shown in the plans. Domes shall be prefabricated by the manufacturer as a pattern on masonry pavers.
2. Pavers shall meet all Americans with Disabilities Act Accessibility Guidelines (ADAAG) requirements for truncated domes, and when installed, shall be capable of producing the pattern of domes as shown in the plans. Pavers shall meet the requirements of ASTM C 902 or ASTM C 936.
3. The domes and the underlying surface shall have a minimum of 70% contrast with the light reflectivity of the adjoining surface as specified under the Americans with Disabilities Act Accessibility Guidelines (ADAAG) requirements for truncated domes.
4. The contrast shall be achieved by adding pigment during the fabrication of the pavers. Prior to start of work, the Contractor shall submit appropriate documentation from the manufacturer verifying that the contrast has been met, along with a sample paver, to the Project Personnel for approval.
5. Bedding and joint sand shall be free of deleterious or foreign matter. The sand shall be natural or manufactured from crushed rock. Limestone screenings or stone dust shall not be used. Sand for bedding material shall conform to ASTM C 33. Sand that is to be placed between joints shall conform to ASTM C 144.

### CONSTRUCTION REQUIREMENTS

General: Pre-fabricated masonry pavers for detectable warnings shall be brought to the site in steel banded, plastic banded or plastic wrapped cubes capable of being transported by a fork lift or clamp lift. Pavers shall be carefully removed and stacked in a manner that results in the least amount of damage. All pavers that are damaged during transport or delivery will be rejected and shall be replaced at the Contractor's expense. Minor cracks or chipping due to transport and handling that do not interfere with the structural integrity of the pavers or the overall pattern of truncated domes will not be deemed as grounds for rejection.

Placing:

A. Sand Setting Bed:

1. The Contractor shall spread the bedding sand evenly in the defined area and shall screed the sand to a depth of  $\frac{3}{4}$ " to  $1\frac{1}{2}$ " over a compacted gravel base.

B. Paver Installation:

1. Pavers shall be placed in a running bond pattern. Domes shall be aligned to create a square grid in the predominant direction of travel as shown in the plans. Pavers shall be installed such that the base of the truncated dome is at the same elevation as the adjoining surface, allowing for a smooth transition between the curb ramp and the detectable warning.

2. When cut pavers are required to fill gaps between the pavers and the edge of concrete, the Contractor shall bevel portions of the truncated domes at a 45-degree angle to create a smooth transition between the partial dome and the curb ramp surface. Unless otherwise directed by the Project Personnel, pavers shall be cut and installed in such a manner that the domes on the cut sections will not significantly impact the overall pattern of the truncated domes.

D. Compaction

1. The Contractors shall use a plate vibrator to embed the pavers into the sand. The size and type of plate vibrator shall be in accordance with manufacturer's recommendations, or as directed by the Project Personnel. All pavers that are damaged during embedment shall be replaced at the Contractor's expense.

2. Joint spacing between paver units shall be in accordance with the manufacturer's recommendations, or as approved by the Project Personnel. Joints shall be filled completely with joint sand. Excess sand shall be removed by sweeping.

Method of Measurement:

Detectable warnings on new curb ramps, including sand, pavers, and all other work and materials necessary for fabrication, transport, and installation will not be measured and paid for separately, but shall be included in the work.

Truncated domes that are installed on existing curb ramps will be measured by the actual number of square feet that are installed and accepted.

Basis of Payment:

Payment will be full compensation for all labor, materials, and equipment required to install the truncated domes including surface preparation and removal/replacement of concrete or asphalt.

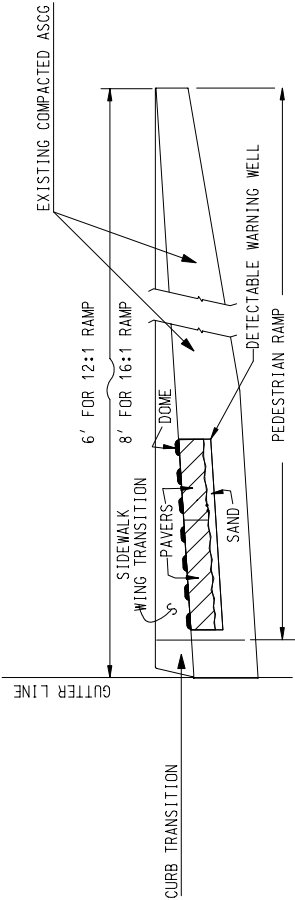
**Pay Item**

608.253      Masonry Paver with Truncated Domes

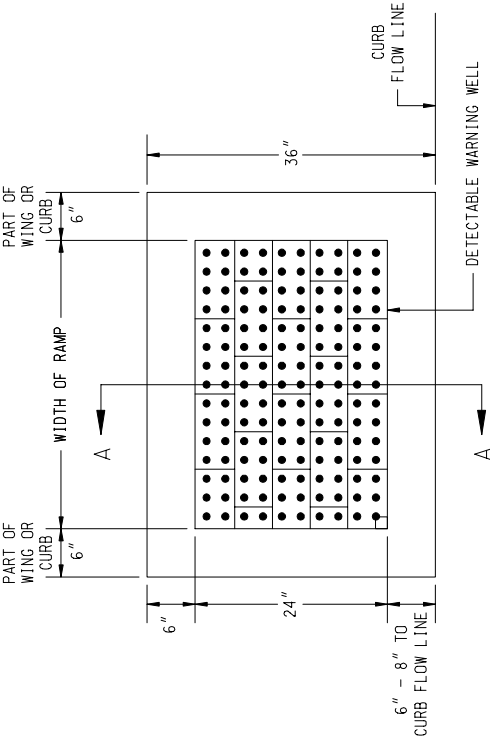
**Pay Unit**

Square Foot

VIEWS AND DETAILS OF THE DETECTABLE WARNING

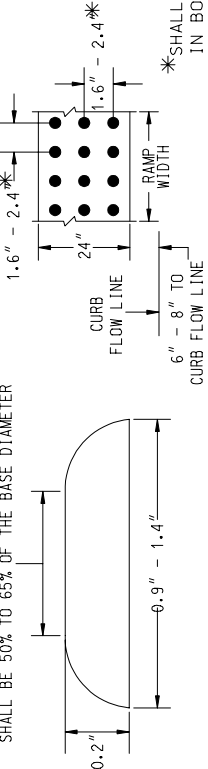


SIDE SECTION VIEW OF  
DETECTABLE WARNING, WELL, CURB, AND GUTTER



PLAN VIEW OF  
DETECTABLE WARNING AND WELL  
(PAVERS NOT DRAWN TO SCALE)

THE TOP DIAMETER OF THE TRUNCATED DOMES  
SHALL BE 50% TO 65% OF THE BASE DIAMETER

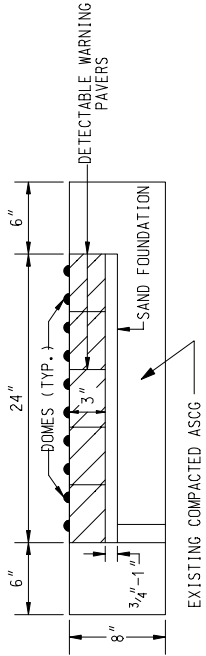


\*SHALL BE EQUAL  
IN BOTH DIRECTIONS.

ELEVATION VIEW

PLAN VIEW

DOMES AND DETECTABLE WARNING DETAILS



SECTION A-A

NOTE:  
ALL DETECTABLE WARNING AREAS SHALL START 6 INCHES  
FROM THE FLOW LINE OF THE CURB, AND BE 24 INCHES  
IN DEPTH, AND COVER THE COMPLETE WIDTH OF THE RAMP  
AREA ONLY.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	VIEWS AND DETAILS OF THE DETECTABLE WARNING	SHEET NUMBER
CURB RAMP	DETAILS	1

SPECIAL PROVISION  
SECTION 618  
SEEDING

Harrison Woody Seed Mix

Item 618.01 Description. This work shall consist of furnishing and applying seed, and other materials to areas shown on the plans or as authorized by the Resident.

d. Special Seeding shall consist of the application of a special seed mix and amendments as defined by the Special Provision.

This work shall consist of furnishing and applying perennial shrub and native forb and grass seed for seeding into Erosion Control Mix on riprap slopes. No lime or fertilizer will be required.

This material may be applied by hydraulic, pneumatic or other method to ensure a uniform and consistent application at a uniform rate as approved by the Landscape Architect.

This Seed Mixture will be a uniform, fresh, supplier-labeled mixture of the following species:

<u>Harrison Woody Seed Mixture</u>		<u>Lbs / acre</u>	<u>kg/100m2</u>
Elymus Canadensis	(Canadian Wild Rye)	2.0	1.0
Trifolium incarnatum	(Crimson Clover)	5.0	2.50
Trifolium pretense	(Red Clover)	5.0	2.50
Cornus amomum	(Silky Dogwood)	2.0	1.0
Cornus racemosa	(Grey Dogwood)	2.0	1.0
Cornus stolonifera	(Red-osier Dogwood)	2.0	1.0
Viburnum cassinoides	(Withe-rod Viburnum)	2.0	1.0
Viburnum dentatum	(Arrow-wood Viburnum)	2.0	1.0
Lupinus perennis	(Perennial Lupine)	2.0	1.0

618.08 Mulching. All seeding methods shall be mulched as per Section 619. If seed is applied pneumatically, seed may be incorporated into a separate surface layer of Erosion Control Mix applied over previously placed Erosion Control Mix at no more than ½ inch (12 mm) thickness.

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SPECIAL PROVISIONS  
SECTION 619  
WOOD WASTE EROSION CONTROL MIX

Description. This work shall consist of furnishing and placing approved wood waste erosion control mix as a mulch on designated slopes and environmentally sensitive areas in conformity with the plans and specifications or as directed by the Resident.

Materials. The wood waste erosion control mix shall be an organic substance produced by the biological and biochemical decomposition of source separated compostable materials, separated at the point of waste generation, that may include; forest residues, bark, paper mill flume grit, and aged wood waste. Wood waste erosion control mix shall be free of refuse, physical contaminants, material toxic to plant growth, and reprocessed wood products. Wood waste erosion control mix may contain rocks less than 100 mm [4 inches] in diameter. Wood waste erosion control mix shall conform to following:

- A. pH between 5.0 - 8.0
- B. Particle size:
  - 1) 100% passing a 150 mm [6 inch] screen
  - 2) 80% > 19 mm [3/4 inch]
- C. Soluble salts content < 4.0 mm hos/cm

Construction Requirements. Wood waste erosion control mix shall be spread evenly and uniformly over the designated area, a minimum of 100 mm [4 inches] or as called for on the plans or by the Resident.

SPECIAL PROVISIONS

SECTION 621  
LANDSCAPE

(Plant Species Specification and Quantities Listing)

The following list of item numbers provides a listing of plant species quantities estimated for use on this project. Please note that the scientific name of the plant material is provided along with the common name following in parenthesis.

The Contractor shall follow MDOT Standard Specifications for landscape materials and installation procedures (sec 621) Revision of December, 2002; and Standard Details, Revision of December 1, 2002.

The MDOT Landscape Architect or his designee will be available to inspect plant materials and to stake the location of the plant materials at the time of planting.

Pursuant to Section 104.5.9, in addition to a Performance Bond a Two-Year Maintenance Bond will be required. Pay Item 621. 8 Establishment Period - Two Year will be included as a pay item as part of this contract. .

Items included as 621.101 will be class B planting at 70 cm on center with mulching to be incidental to planting.

PLANT MATERIALS

<u>Item No.</u>	<u>Description</u>	<u>Condition</u>	<u>Unit</u>	<u>Species Quantity</u>	<u>Item Quantity</u>
621.101	Rooted Deciduous Liner/Starters 200 mm - 300 mm (8" - 12")	75mm (3") Cont./Plug			1,152
	Cornus amomum (Gray Dogwood)		ea.	192	
	Cornus sericea (Red-Twig Dogwood)		ea.	192	
	Itea virginica (Sweetspire)		ea.	192	
	Viburnum dentatum (Arrowwood Viburnum)		ea.	192	
	Viburnum lentago (Nannyberry)		ea.	192	
	Viburnum prunifolium		ea.	192	

	(Blackhaw Viburnum)				
621.019	Evergreen Trees Group A 600 mm - 900 mm (2' - 3')	B&B /Cont.			18
	Thuja occidentalis (American Arborvitae)		ea.	18	
621.025	Evergreen Trees Group A 900 mm - 1200 mm (3' - 4)	B&B			12
	Pinus strobus (Eastern White Pine)		ea.	6	
	Thuja occidentalis (American Arborvitae)		ea.	6	
621.026	Evergreen Trees Group B 900 mm - 1200 mm (3' - 4)	B&B			6
	Pinus strobus (Eastern White Pine)		ea.	6	
621.026	Evergreen Trees Group B 900 mm - 1200 mm (3' - 4)	B&B			7
	Picea abies (Norway Spruce)		ea.	7	
621.031	Evergreen Trees Group A 1200 mm – 1500 mm (4' – 5')				3
	Pinus strobes (Eastern White Pine)			3	
621.032	Evergreen Trees Group B 1200 mm – 1500 mm (4' – 5')				18
	Thuja occidentalis (American Arborvitae)		ea.	18	
621.038	Evergreen Trees Group B 1500 mm - 1800 mm (5' - 6')	B&B			3
	Picea abies (Norway Spruce)		ea.	3	
621.045	Evergreen Trees Group C 900 mm - 1200 mm (6' - 8')	B&B			1
	Picea pungens glauca (‘Blue’ sel. Colorado Spruce)		ea.	1	
621.196	Medium Deciduous Trees 45 mm - 50 mm Group B (1 ¾" - 2" cal.)	B&B			24
	Crataegus ‘Cruzam’ (‘Winter King’ Hawthorn)		ea.	6	
	Malus ‘Donald Wyman’ (‘Donald Wyman’ Flowering		ea.	3	

	Crabapple)				
	Malus 'Snowdrift' ( 'Snowdrift' Flowering Crabapple)		ea.	3	
	Pyrus calleryana 'Aristocrat' ( 'Aristocrat' Flowering Pear)			12	
621.273	Large Deciduous Trees Group A Group A 2400 mm - 3000 mm. (2" - 2 ½ " cal.)	B&B			20
	Acer rubrum 'Northwood' ( 'Northwood' Red Maple)		ea.	6	
	Acer saccharum 'Majesty ' ( 'Majesty' Sugar Maple)		ea.	9	
	Aesculus hippocastanum (Horsechestnut)			1	
	Cladrastis lutea (Yellowwood)			2	
	Quercus alba (Northern White Oak)			2	
621.388	Dwarf Evergreens 300 mm - 375 mm Group A (12" - 15")				12
	Taxus x media 'Densifomis' (Dense Spreading Yew)		ea.	12	
621.531	Deciduous Shrubs Group A 375 mm - 450 mm (15" - 18")	Cont.			126
	Spiraea 'Anthony Waterer' (Japanese Spirea)		ea.	36	
	Potentilla 'Gold Star' ( 'Gold Star' Potentilla)		ea.	36	
	Rosa rugosa (Beach Rose)		ea.	36	
	Rosa x. 'foxi' ( 'Foxi' Pavement Rose)		ea.	18	
621.54	Deciduous Shrubs 450 mm - 600 mm (18" - 24")	Cont.			78
	Hydrangea arborescens 'Annabelle' ( 'Annabelle' Hydrangea)		ea.	6	
	Rubus odoratus (Flowering raspberry)		ea.	36	
	Viburnum trilobum (American Cranberrybush)		ea.	36	
621.546	Deciduous Shrubs 600 mm - 900	Bare Root			30



	mm Type A (2' - 3')				
	Forsythia suspensa 'Meadowlark' ( 'Meadowlark' Forsythia)		ea.	15	
	Rosa rugosa (Beach Rose)		ea.	12	
	Syringa vulgaris (Common Lilac)		ea.	3	
621.547	Deciduous Shrubs 600 mm - 900 Mm Type B (2' - 3')	Cont.			12
	Amelanchier canadensis (Shadbush)		ea.	12	
621.558	Deciduous Shrubs Group A 1200 mm – 1500 mm (4' – 5')	B&B			12
	Syringa vulgaris (Common Lilac)			12	
621.71	Herbaceous Perennials Group A (No. 1 Container)	Cont.	ea		180
	Hemerocallis x. hybrida 'Hyperion'			60	
	Hemerocallis x. hybrida 'Happy Returns'			60	
	Hemerocallis x. hybrida 'September Gold'			60	
621.711	Herbaceous Perennials Group B (No. 1 Container)	Cont.	ea		120
	Hemerocallis fulva			120	
621.80	Establishment Period (Two-Year)		L.S.		1

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SPECIAL PROVISION  
SECTION 652  
MAINTENANCE OF TRAFFIC

Approaches Approach signing shall include the following signs as a minimum. Field conditions may warrant the use of additional signs as determined by the Resident.

Road Work Next x Miles  
Road Work 500 Feet  
End Road Work

Work Area At each work site, signs and channelizing devices shall be used as directed by the Resident. Signs include:

Road Work xxxx<sup>1</sup>  
One Lane Road Ahead  
Flagger Sign

Other typical signs include:

Be Prepared to Stop  
Low Shoulder  
Bump  
Pavement Ends

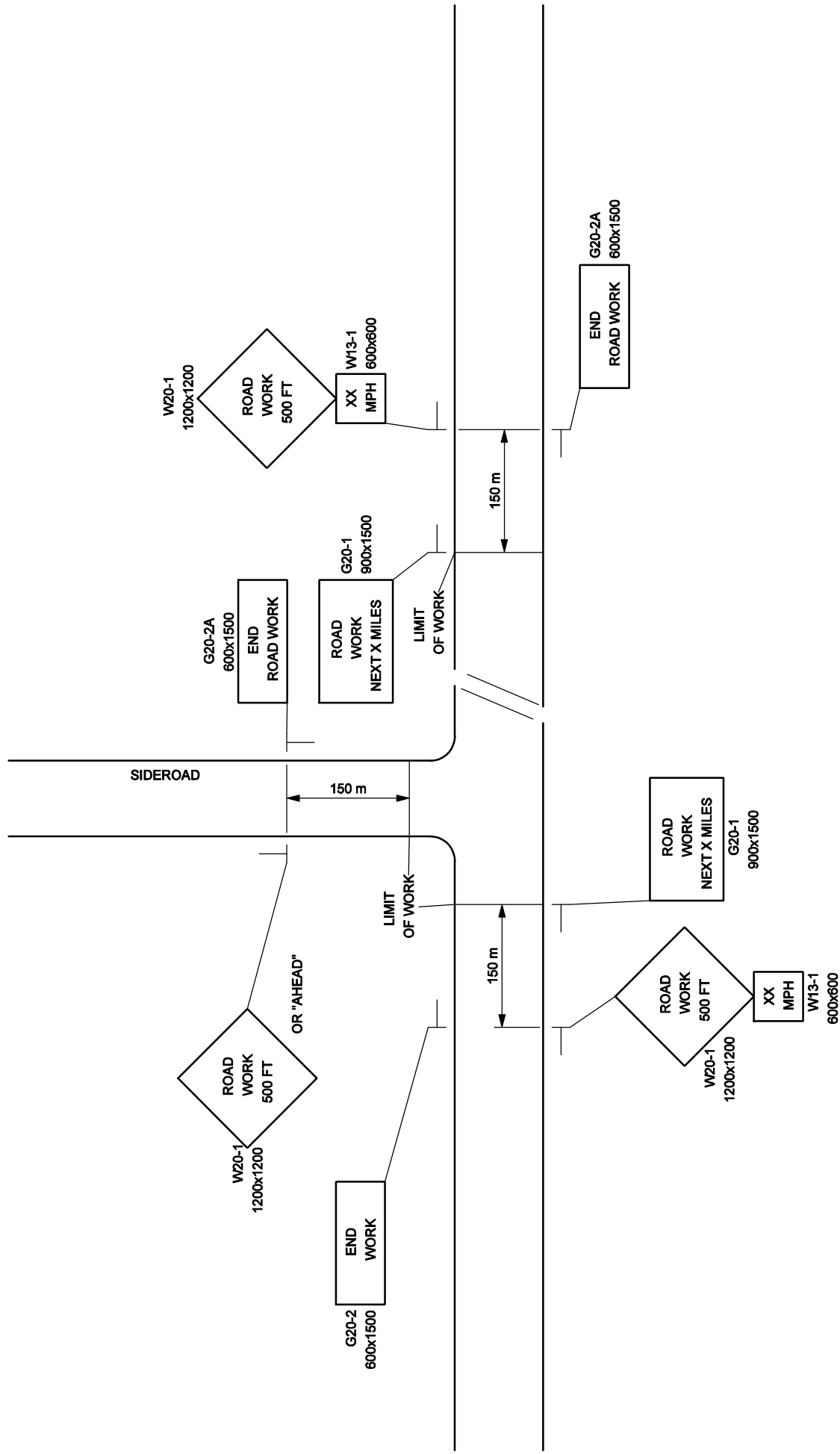
The above lists of Approach signs and Work Area signs are representative of the contract requirements. Other sign legends may be required.

The Contractor shall conduct their operations in such a manner that the roadway will not be restricted to one lane for more than 800 m [2,500 ft] at each work area. Where more than one work area restricts traffic to one lane operation, these work areas shall be separated by at least 1.6 km [1 mile] of two way operation.

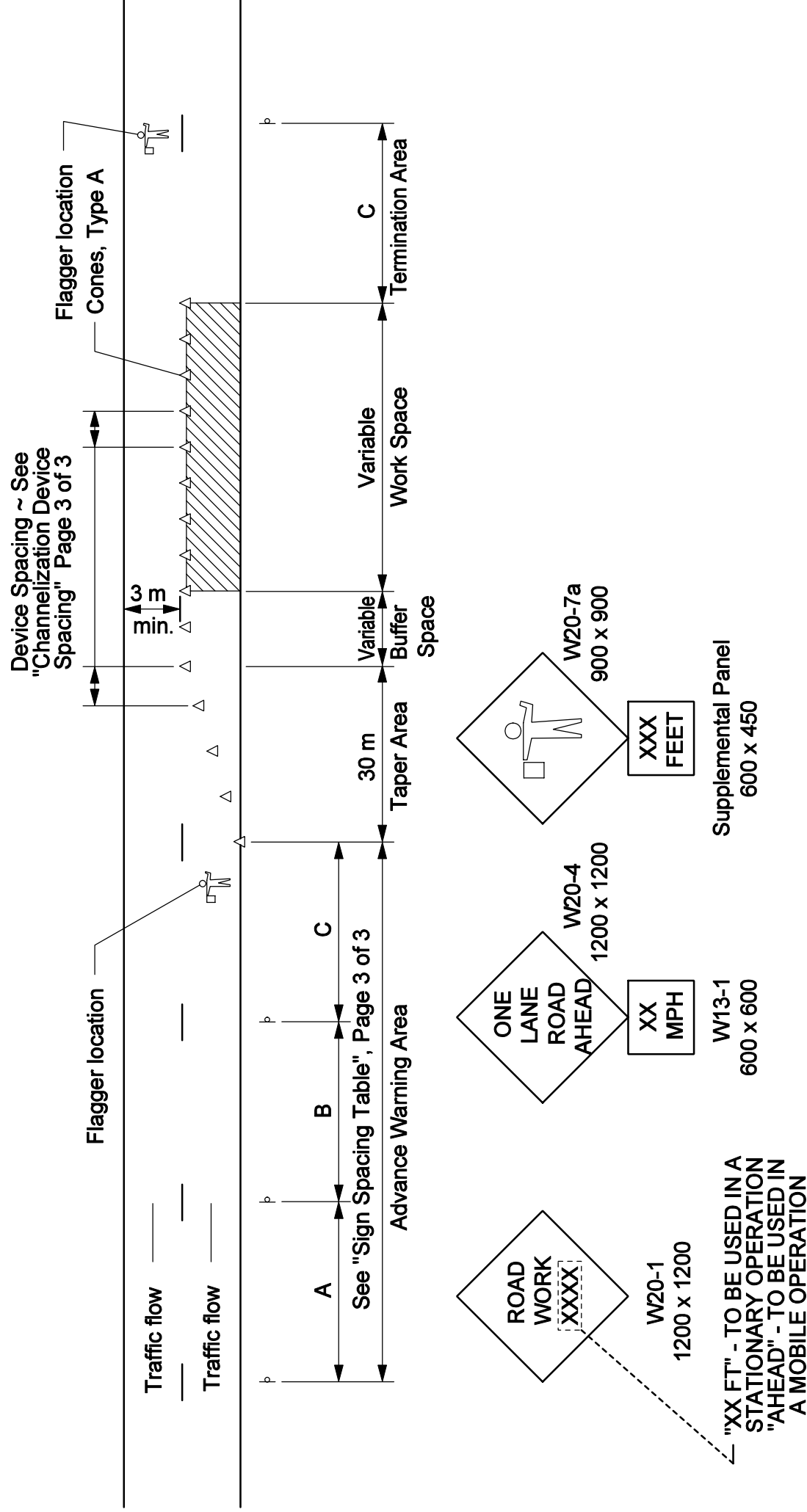
Temporary Centerline A temporary centerline shall be placed each day on all new pavement to be used by traffic. The temporary centerline, when specified of reflectorized traffic paint, shall conform to the standard marking patterns used for permanent markings.

Failure to apply a temporary centerline daily will result in suspension of paving until temporary markers are applied to all previously placed pavement.

<sup>1</sup> "Road Work Ahead" to be used in mobile operations and "Road Work xx ft" to be used in stationary operations as directed by the Resident.



# TYPICAL -- PROJECT APPROACH SIGNING -- TWO WAY TRAFFIC



TYPICAL APPLICATION: TWO - WAY, TWO LANE ROADWAY,  
CLOSING ONE LANE USING FLAGGERS

\* Formulas for L are as follows:

For speed limits of 40 mph (60 km/h) or less:

$$L = \frac{WS^2}{60} \quad (L = \frac{WS^2}{155})$$

For speed limits of 45 mph (70 km/h) or greater:

$$L = WS \quad (L = \frac{WS}{1.6})$$

\* Formulas for L are as follows:

A minimum of 5 channelization devices shall be used in the taper.

TYPE OF TAPER	TAPER LENGTH (L)*
Merging Taper	at least L
Shifting Taper	at least 0.5L
Shoulder Taper	at least 0.33L
One-Lane, Two-Way Traffic Taper	100 ft (30 m) maximum
Downstream Taper	100 ft (30 m) per lane

#### CHANNELIZATION DEVICE SPACING

The spacing of channelization devices shall not exceed a distance equal to 1.0 times the speed limit in mph when used for taper channelization, and a distance in feet of 2.0 times the speed limit in mph when used for tangent channelization.

#### GENERAL NOTES;

1. Final placement of signs and devices may be changed to fit field conditions as approved by the Resident.

SIGN SPACING TABLE			
Road Type	Distance Between Signs**		
	A	B	C
Urban 30 mph (50 km/h) or less	100 (30)	100 (30)	100 (30)
Urban 35 mph (55 km/h) and greater	350 (100)	350 (100)	350 (100)
Rural	500 (150)	500 (150)	500 (150)
Expressway / Urban Parkway	2,640 (800)	1,500 (450)	1000 (300)

\*\*Distances are shown in feet (meters).

#### SUGGESTED BUFFER ZONE LENGTHS

Speed (mph)	Length (feet)	Speed (mph)	Length (feet)
20	115	40	325
25	155	45	360
30	200	50	425
35	250	55	495

**SPECIAL PROVISION  
SECTION 656**

**Temporary Soil Erosion and Water Pollution Control**

The following is added to Section 656 regarding Project Specific Information and Requirements. All references to the Maine Department of Transportation Best Management Practices for Erosion and Sediment Control (a.k.a. Best Management Practices manual or BMP Manual) are a reference to the latest revision of said manual. The "Table of Contents" of the latest version is dated "1/19/00" (available at <http://www.state.me.us/mdot/mainhtml/bmp/bmpjan2000.pdf>.)

**Procedures specified shall be according to the BMP Manual unless stated otherwise.**

Any and all references to "bark mulch" or "composted bark mix" shall be a reference to "Erosion Control Mix" in accordance with *Standard Specification, Section 619 - Mulch*.

**Project Specific Information and Requirements**

The following information and requirements apply specifically to this Project. The temporary soil erosion and water pollution control measures associated with this work shall be addressed in the SEWPCP.

1. The south end of the project is adjacent to Long Lake, which is listed as a Priority Waterbody and is on the Stormwater List of Lakes Most At Risk. The north end is adjacent to Crystal Lake which has stable water quality but the proximity of the road and steep slopes make it a sensitive area. Therefore this project is considered **EXTREMELY SENSITIVE** in accordance with the BMP Manual. The Contractor's SEWPCP shall comply with Section II.B, Guidelines for Sensitive Waterbodies in the BMP Manual.

**The contractor's SEWPCP shall include extensive temporary erosion control as well as sediment controls, but the primary focus of the plan shall be EROSION control in order to prevent generation of sediments that could impact on either Long Lake or Crystal Lake.**

**2. A pre-construction field review is MANDATORY for this project. The pre-construction field review shall take place before commencing any work that involves soil disturbance (including clearing or grubbing) or potential impacts on water quality. Attendees shall include the Environmental Coordinator (Contractor's Superintendent), the preparer of the SEWPCP, the Construction Manager, and a representative from the Department's ENV Surface Water Resources Unit. The date and time shall be set by the Contractor in consultation with the Construction Manager and the Surface Water Resources Unit.**

3. Due to the project sensitivity, **CONSTRUCTION SHALL BE PHASED** to limit the amount of disturbed area. The Contractor's SEWPCP shall include specific provisions for phasing the work. Each section must be stabilized to the approval of the Construction Manager and the Water Resources Unit before work can begin on any subsequent section.

**SPECIAL PROVISION  
SECTION 656**

Temporary Soil Erosion and Water Pollution Control

4. Newly disturbed earth shall be mulched by the end of each workday. Mulch shall be maintained on a daily basis and prior to storm events, whichever is sooner. **Mulch shall fully cover 100% of exposed soils, except where permanent seed is applied, in which case mulch shall cover 95% of exposed soils.**

5. Permanent slope stabilization measures shall be applied within one week of the last soil disturbance. **Where cut back slopes expose clays or other earth material difficult to vegetate, the permanent stabilization measure shall be 6" Erosion Control Mix over-seeded with Harrison Woody Seed Mix in accordance with Special Provision 618 Seeding.**

6. All disturbed ditches shall be stabilized by the end of each workday. Stabilization shall be maintained on a daily basis. Temporary erosion control blanket shall be installed in the bottoms of all ditches except where a stone lining is planned. Seed shall be applied prior to the placement of the blanket. If check dams are used, they shall be constructed of stone in accordance with BMP Manual, Section 9.

**7. DRAINAGE WORK SHALL NOT COMMENCE UNTIL AFTER APRIL 1<sup>ST</sup> OF ANY YEAR DUE TO HIGH GROUNDWATER LEVELS AND NUMEROUS INTERMITTENT STREAMS.** This date shall only be adjustable upon approval of both the Construction Manager and a representative from the Surface Water Resources Unit.

The SEWPCP shall describe the location and method of temporary erosion and sediment control for existing and proposed catch basins, outlet areas and culvert inlets and outlets. **If water is flowing within the drainage system, the water shall be diverted to a stable area or conduit and work shall be conducted in the dry.** The Contractor's plan shall address when and where the diversions will be necessary.

8. Culvert inlet and outlet protection shall be installed within 48 hours of culvert installation, or prior to a storm event, whichever is sooner.

9. Permanent seeding shall be done in accordance with Permanent seeding shall be done in accordance with *Standard Specification, Section 618 - Seeding* unless the Contract states otherwise.

10. After November 1 the Contractor shall use winter stabilization methods, such as Wood Waste Erosion Control Mix as specified in *Standard Specification, Section 619 - Mulch*. If required, spring procedures for permanent stabilization shall also be described in the plan. Use of

**SPECIAL PROVISION**  
**SECTION 656**  
Temporary Soil Erosion and Water Pollution Control

this product for over-winter temporary erosion control will be incidental to the contract and be paid for as part of Pay Item 656.75.

11. The Contractor's SEWPCP shall address in-stream work at these approximate locations:

11+290

11+430

11+682

11+925

12+150

13+220

12. For general in-stream work, stream flow shall be maintained at all times.

Grout and/or fresh concrete shall not be allowed to contact the stream. Clean out of concrete delivery trucks and the washing of tools shall be addressed in the SEWPCP.

A cofferdam sedimentation basin is required if cofferdams are used. The basin shall be located in an upland area where the water can settle and seep into the ground or be released slowly to the resource in a manner that will not cause erosion. The location of such a cofferdam sedimentation basin shall be addressed in the SEWPCP.

Prior to release to a natural resource, any impounded water that has been in contact with concrete placed during construction must have a pH between 6.0 and 8.5, must be within one pH unit of the background pH level of the resource and shall have a turbidity no greater than the receiving resource. This requirement is applicable to concrete that is placed or spilled (including leakage from forms) as well as indirect contact via tools or equipment. Water not meeting release criteria shall be addressed in the SEWPCP. Discharging impounded water to the stream must take place in a manner that does not disturb the stream bottom or cause erosion.

The Contractor shall be responsible for monitoring pH with a calibrated meter accurate to 0.1 units. A record of pH measurements shall be kept in the Environmental Coordinator's log (*Standard Specification, Section 656.4.4 Inspection and Record Keeping*) and given to the Department's Water Resources Unit upon completion of the project.

13. For a **SLIPLINE** or reline, stream flow shall be maintained at all times.

The stream shall not directly contact concrete placed during construction until the concrete has been flushed of excess lime and the following has occurred:



**SPECIAL PROVISION**  
**SECTION 656**

Temporary Soil Erosion and Water Pollution Control

- a) With the cofferdams still in place, water shall be flushed over the concrete to remove excess lime. The flush water may be drawn from the stream provided there is adequate flow.
- b) The flush water shall be collected in a downstream cofferdam or a sedimentation basin.
- c) Monitor the pH of the impounded water within the cofferdam or sedimentation basin until the pH factor is between 6.0 and 8.5 and is within one pH unit of background pH levels in the stream (away from where work is taking place).
- d) The impounded water may be bled back into the stream as long as its turbidity is no greater than the receiving resource and resulting stream pH downstream of the release is between 6.0 and 8.5 and within one pH unit of background stream pH.
- e) This requirement is applicable to concrete that is placed or spilled (including leakage from forms) as well as indirect contact via tools or equipment. Water not meeting release criteria shall be addressed in the SEWPCP. Discharging impounded water to the stream must take place in a manner that does not disturb the stream bottom or cause erosion.

This monitoring and release to the stream protocol also pertains to all water within the cofferdams. The Contractor shall be responsible for monitoring pH with a calibrated meter accurate to 0.1 units. A record of pH measurements shall be kept in the Environmental Coordinator's log (*Section 656.4.4.*) and given to the Department's Water Resources Unit upon completion of the project.

**14. CLEARING LIMIT LINES SHALL BE MINIMIZED.** Clearing of the slopes on the west side of Rt. 117, adjacent to Crystal Lake, shall be minimized to 1 meter as shown on the design plans and clearing on the east side shall be minimized on both sides of the streams at the locations identified in item #11 above (not shown on plans).

15. Dust control items other than those under *Standard Specification, Section 637 – Dust Control*, if applicable, shall be included in the plan.

**SPECIAL PROVISION**  
**SECTION 823**  
**GATE VALVE BOXES**

Description This work shall consist of the adjustment or installation of gate valve boxes as indicated in the Bid Book, Plans, or as directed by the Resident.

Gate Valve Box, Adjust to Grade shall consist of adjusting a gate valve box to the required final grade, including any lowering and any other adjustments that may be necessary prior to setting the final grade.

Gate Valve Box, Install Only shall consist of removing an existing gate valve box, installing a replacement gate valve box, and adjusting the replacement gate valve box as specified above.

Materials The municipality or utility company owning or operating the existing water main system will provide all replacement gate valve boxes necessary for the Gate Valve Box, Install Only item. Any gate valve boxes damaged by improper construction methods or handling by the Contractor, as determined by the Department, shall be replaced at the Contractor's expense.

Method of Measurement Gate Valve Box, Adjust to Grade and Gate Valve Box, Install Only will be measured by the unit each, complete and in place.

Basis of Payment Payment for Gate Valve Box, Adjust to Grade shall be full compensation for all equipment, labor, and incidental materials necessary to adjust a gate valve box as specified above.

Payment for Gate Valve Box, Install Only shall be full compensation for all equipment, labor, and incidental materials necessary to replace and adjust a gate valve box as specified above.

<u>Pay Item</u>	<u>Pay Unit</u>
823.011 Gate Valve Box, Install Only	Each
823.332 Gate Valve Box, Adjust to Grade	Each

# Permits & Cultural Resources Unit

PIN #: 8473.00

Location: Harrison

Permit Member: Ben Condon

Photographs ☐

Database/Projex ☒

Package to ENV Coordinator: 2/7/03

## ☒ HISTORIC AND CULTURAL RESOURCES

MHPC Historic Resources

N/A ☐

Applicable ☒

Approved ☒

MHPC Archeological Resources

N/A ☐

Applicable ☒

Approved ☒

Tribal

N/A ☒

Applicable ☐

Approved ☐

## ☒ 4(f) and 6(f)

Section 4(f)

N/A ☒

Applicable ☐

Approved ☐

LAWCON 6(f)

N/A ☒

Applicable ☐

Approved ☐

## ☒ Maine Department of Environmental Protection (MDEP) Site Location of Development

N/A ☒

Applicable ☐

Approved ☐

## ☒ Local Zoning, Title 30-A, Section 4325-6.

Is the project something other than the highway and bridge system, such as a maintenance lot, building/parking facility? Yes

☐ No ☒ If no, the project is exempt.

If yes, continue. Does the town in which the project is located have a comprehensive plan consistent with the Growth Management Program? Yes ☐ No ☐ If no, the project is exempt.

If yes, local zoning ordinances and/or permits are needed.

Approved ☐

## ☒ Maine Department of Inland Fisheries and Wildlife (MDIFW) Essential Habitat

Eagle Nest

N/A ☒

Applicable ☐

Approved ☐

Piping Plover

N/A ☒

Applicable ☐

Approved ☐

Roseate Tern

N/A ☒

Applicable ☐

Approved ☐

## ☒ Maine Department of Conservation/ Public Lands, Submerged Land Lease

N/A ☒

Applicable ☐

## ☒ Land Use Regulation Commission (LURC) ☒ Not Applicable

No permit

☐

Notice

☐

Approved ☐

Permit

☐

Approved ☐

## ☒ Maine Department of Environmental Protection (MDEP), Natural Resource Protection Act

No permit required ☐

Exempt ☐

(Must use erosion and sediment control and not block fish passage.)

PBR ☒

Approved ☒

Tier 1 ☐

Approved ☐

Tier 2 ☐

Approved ☐

Tier 3 ☐

Approved ☐

## ☒ Army Corps of Engineers (ACOE), Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Water Act.

No permit required ☐

Category 1-NR ☒

Approved ☒

Category 2 ☐

Approved ☐

Category 3 ☐

Approved ☐

## ☐ IN-WATER TIMING RESTRICTIONS: 105 Special Provision ☒ No instream work indicated ☐

Dates instream work is allowed: 7/15 through 10/1

## ☒ Special Provision 656, Erosion Control Plan

\* Boxes marked in red indicate items that are attached and need to be placed in the contract by the Project Manager.

DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP)  
PERMIT BY RULE NOTIFICATION FORM  
(For use with DEP Regulation, Chapter 305)

■ MDOT PIN: 8473.00

Name of Applicant: State of Maine Department of Transportation      Name of Contact: David Gardner  
Mailing Address: 16 Station State House      Town/City: Augusta      State: Me.      Zip Code: 04330-0016  
Daytime Telephone #: (207)-287-5735      Name of Wetland, Water Body or Stream: Unnamed Stream & Crystal Lake

Detailed Directions to Site: From Portland, take Rt. 302 north to Rt. 35. Take Rt. 35 north to Rt. 117. The project is on Rt. 117 and begins at the western most intersection of Rt. 35/117 and travels northeast 1.81 miles.

Town/City: Harrison      Map #: N/A      Lot #: N/A      County: Cumberland

Description of Project: The project consists of highway improvements, which includes slope and ditch work, culvert replacements, minor filling of Crystal Lake (a 200' X 4.95'), guardrails and resurfacing. The project will be performed in accordance with erosion control measures conforming with the latest versions of the *State of Maine Department of Transportation Standard Specifications for Highways and Bridges* and the *Department of Transportation's Best Management Practices for Erosion and Sediment Control*.

Part of a larger project?      ☐ Yes      ☒ No

(CHECK ONE) This project... ☒ does      ☐ does not ...involve work below mean low water.

I am filing notice of my intent to carry out work which meets the requirements for Permit By Rule (PBR) under DEP Regulation, Chapter 305. I have a copy of PBR Sections checked below. I have read and will comply with all of the standards.

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Sec. (2) Soil Disturbance                | <input type="checkbox"/> Sec. (8) Shoreline stabilization                         | <input type="checkbox"/> Sec. (14) Piers, Wharves & Pilings   |
| <input type="checkbox"/> Sec. (3) Intake Pipes                    | <input type="checkbox"/> Sec. (9) Utility Crossing                                | <input type="checkbox"/> Sec. (15) Public Boat Ramps          |
| <input type="checkbox"/> Sec. (4) Replacement of Structures       | <input type="checkbox"/> Sec. (10) Stream Crossing                                | <input type="checkbox"/> Sec. (16) Coastal Sand Dune Projects |
| <input type="checkbox"/> Sec. (5) REPEALED                        | <input checked="" type="checkbox"/> Sec. (11) State Transport. Facilities         | <input type="checkbox"/> Sec. (17) Transfers/Permit Extension |
| <input type="checkbox"/> Sec. (6) Movement of Rocks or Vegetation | <input type="checkbox"/> Sec. (12) Restoration of Natural Areas                   | <input type="checkbox"/> Sec. (18) Maintenance Dredging       |
| <input type="checkbox"/> Sec. (7) Outfall Pipes                   | <input type="checkbox"/> Sec. (13) F&W Creation/Enhance/Water Quality Improvement |   |

I authorize staff of the Departments of Environmental Protection, Inland Fisheries & Wildlife, and Marine Resources to access the project site for the purpose of determining compliance with the rules. I also understand that **this permit is not valid until approved by the Department or 14 days after receipt by the Department, whichever is less.**

I have attached all of the following required submittals. **NOTIFICATION FORMS CANNOT BE ACCEPTED WITHOUT THE NECESSARY ATTACHMENTS:**

- A \$50 (non-refundable) payment shall be done by internal billing.
- Attach a U.S.G.S. topo map or Maine Atlas & Gazetteer map with the project site clearly marked.
- ☐ Attach photographs showing existing site conditions (unless not required under standards).

Signature of Applicant: \_\_\_\_\_

John E. Dority, Chief Engineer

Date: \_\_\_\_\_

02/24/04

Keep the bottom copy as a record of permit. Send the form with attachments via certified mail to the Maine Dept. of Environmental Protection **at the appropriate regional office listed below.** The DEP will send a copy to the Town Office as evidence of the DEP's receipt of notification. No further authorization by DEP will be issued after receipt of notice. Permits are valid for two years. **Work carried out in violation of any standard is subject to enforcement action.**

AUGUSTA DEP STATE HOUSE STATION 17 AUGUSTA, ME 04333-0017 (207)287-2111      PORTLAND DEP 312  
CANCO ROAD PORTLAND, ME 04103 (207)822-6300      BANGOR DEP 106 HOGAN ROAD BANGOR, ME  
04401 (207)941-4570      PRESQUE ISLE DEP 1235 CENTRAL DRIVE PRESQUE ISLE, ME 04769 (207)764-0477

OFFICE USE ONLY  
PBR #      FP

Ck.#

Date

Staff

Acc. Date

Staff  
Def. Date

After Photos

**Chapter 305: PERMIT BY RULE Section 11**  
**State Transportation Facilities**

---

- 1. Introduction.** A "permit by rule" or "PBR", when approved by the Department of Environmental Protection (DEP), is an approval for an activity that requires a permit under the Natural Resources Protection Act (NRPA). Only those activities described in this chapter may proceed under the PBR process. A PBR activity will not significantly affect the environment if carried out in accordance with this chapter, and generally has less of an impact on the environment than an activity requiring an individual permit. A PBR satisfies the Natural Resources Protection Act (NRPA) permit requirement and Water Quality Certification requirement.

If a proposed activity is not described in this chapter, or will not be conducted in accordance with the standards of this chapter, the applicant must obtain an individual permit prior to beginning the activity.

- A. Location of activity.** The location of an activity may affect whether an activity qualifies for PBR, and whether review by the Department of Inland Fisheries and Wildlife is required.

- (1) Type of resource. For some types of activities, the availability of a PBR is affected by the type of natural resource in or adjacent to which the activity is proposed. For example, an applicant proposing an activity consisting of "Movement of rocks or vegetation" may receive a PBR only if the activity will take place in a great pond, river, stream or brook. Limitations concerning the location of activities are addressed in the "Applicability" provision in each section of this chapter.
- (2) Essential habitat. Essential habitats include areas critical to the survival of threatened and endangered species such as the bald eagle, least tern, roseate tern, and piping plover. If the activity is located in essential habitat, such as near an eagle nesting site, a PBR is only available if the applicant obtains written approval from the Department of Inland Fisheries and Wildlife (IF&W). This approval from IF&W must be submitted to the DEP with the PBR notification form, and the applicant must follow any conditions stated in the IF&W approval.

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NOTE: Maps showing areas of essential habitat are available from the Department of Inland Fisheries and Wildlife regional headquarters, municipal offices, the Land Use Regulation Commission (for unorganized territories) and DEP regional offices. If the activity is located in essential habitat, IF&W must be contacted to request and obtain a "certification of review and approval".

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- B. Notification.** The applicant must file notice of the activity with the DEP prior to beginning work on the activity. The notification must be on a form provided by the DEP and must include any submissions required in this chapter. The applicant must keep a copy to serve as the permit.

The notification form must be sent to the DEP by certified mail (return receipt requested), or hand delivered to the DEP and date stamped by the department.

### C. Effective period

- (1) Beginning of period. The PBR becomes effective 14 calendar days after the DEP receives the notification form, unless the DEP approves or denies the PBR prior to that date. If the DEP does not speak with or write to the applicant within this 14 day period regarding the PBR notification, the applicant may proceed to carry out the activity.

There are three exceptions regarding the effective date of an approved PBR:

- (a) Activities listed in Section 10 (Stream crossings) occurring in association with forest management are exempt from the 14 day waiting period.
- (b) Activities listed in Section 2 (Soil disturbance) and Section 10 (Stream crossings) performed or supervised by individuals currently certified in erosion control practices by the DEP are exempt from the 14 day waiting period. To be certified in erosion control practices, an individual must successfully complete all course requirements of the Voluntary Contractor Certification Program administered by the DEP's Nonpoint Source Training and Resource Center.
- (c) Activities that are part of a larger project requiring a permit under the Site Location of Development or the Storm Water Management Acts may not proceed until any required permit under those laws is obtained.

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NOTE: Activities that are part of a larger project may require other permits from the DEP also. These other laws may prohibit the start of construction of any part of the project unless a permit under that law is obtained. In these cases, while not a violation of this rule, starting work on a PBR approved activity would be a violation of those other applicable laws.

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- (2) End of period. The PBR is generally effective for 2 years from the date of approval, except that a PBR for "Replacement of structures" under Section 4 is effective for 3 years.

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NOTE: Activities that qualify under this chapter may need to meet other local, state and federal requirements. Examples -- (1) If an activity extends below the low water line of a lake, coastal wetland or international boundary water, the applicant should contact the Bureau of Parks and Lands (287-3061) concerning possible lease or easement requirements, or (2) If an activity will involve work below the mean high water line in navigable waters of the United States, the applicant should contact the Army Corps of Engineers (623-8367).

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**D. Discretionary authority.** Notwithstanding compliance with the PBR applicability requirements and standards set forth in this chapter, the DEP may require an individual permit application to be filed in any case where credible evidence indicates that the activity:

- (1) May violate the standards of the NRPA (38 M.R.S.A. Section 480-D);
- (2) Could lead to significant environmental impacts, including cumulative impacts; or
- (3) Could adversely impact a resource of special concern.

If an individual permit is required pursuant to this subsection, the DEP shall notify the applicant in writing within the 14 calendar day waiting period described in sub-section (C) above. When the DEP notifies an applicant that an individual permit is required, no work may be conducted unless and until the individual permit is obtained.

**E. Violations.** A violation of law occurs when a person, or his or her agent, performs or causes to be performed any activity subject to the NRPA without first obtaining a permit from the DEP, or acts contrary to the provisions of a permit. The person, his or her agent, or both, may be held responsible for the violation. Commonly, the "person" is the landowner, and the "agent" is the contractor carrying out the activity. A violation occurs when:

- (1) An activity occurs that is not allowed under PBR, whether or not a PBR notification form has been filed with and/or approved by the DEP;
- (2) An activity occurs that is allowed under PBR, but a PBR for the activity has not become effective prior to the beginning of the activity; or
- (3) An activity occurs that is allowed under PBR and a PBR for the activity is in effect, but the standards specified in this chapter are not met.

See the "applicability" provision under each activity for rules concerning what activities are allowed under PBR. A PBR is only valid for the person listed on the notification form, or for his or her agent.

Each day that a violation occurs or continues is considered a separate offense. Violations are subject to criminal penalties and civil penalties of not less than \$100 nor more than \$10,000 for each day of that violation (38 M.R.S.A. Section 349).

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NOTE: A local Code Enforcement Officer (CEO) may take enforcement action for a violation of the Natural Resources Protection Act if he or she is authorized to represent a municipality in District Court, and he or she has been certified as familiar with court procedures, 30-A M.R.S.A. Section 4452(7).

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**Chapter 305 Section 11****State transportation facilities****A. Applicability**

- (1) This section applies to the maintenance, repair, reconstruction, rehabilitation, replacement or minor construction of a State Transportation Facility carried out by, or under the authority of, the Maine Department of Transportation or the Maine Turnpike Authority, including any testing or preconstruction engineering, and associated technical support services.
- (2) This section does not apply to an activity within a coastal sand dune system.

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NOTE: The construction of a transportation facility other than roads and associated facilities may be subject to the Storm Water Management Law, 38 M.R.S.A. Section 420-D.

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**B. Standards**

- (1) Photographs of the area to be altered by the activity must be taken before work on the site begins. The photographs must be kept on file and be made available at the request of the DEP.
- (2) The activity must be reviewed by the Department of Inland Fisheries and Wildlife, the Department of Marine Resources, the Atlantic Salmon Authority, and the DEP's Division of Environmental Assessment prior to the notification being filed with the DEP. The activity must be performed according to any recommendations from these authorities.
- (3) The activity must be performed in accordance with erosion control measures conforming with the State of Maine Department of Transportation Standard Specifications for Highways and Bridges Revision of April 1995 and with the Department of Transportation's Best Management Practices for Erosion and Sediment Control, September 1997.

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NOTE: Guidance on the use of erosion control best management practices can be obtained from the on site Construction Manager.

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- (4) Alignment changes may not exceed a distance of 200 feet between the old and new center lines in any natural resource.
- (5) The activity may not alter more than 300 feet of shoreline (both shores added together) within a mile stretch of any river, stream or brook, including any bridge width or length of culvert.
- (6) The activity may not alter more than 150 feet of shoreline (both shores added together) within a mile stretch of any outstanding river segment identified in 38 M.R.S.A. 480-P, including any bridge width or length of culvert.
- (7) The activity must minimize wetland intrusion. The activity is exempt from the provisions of Chapter 310, the Wetland Protection Rules, if the activity alters less than 15,000 square feet



of natural resources per mile of roadway (centerline measurement) provided that the following impacts are not exceeded within the 15,000 square foot area:

- (a) 1,000 square feet of coastal wetland consisting of salt tolerant vegetation or shellfish habitat; or
- (b) 5,000 square feet of coastal wetland not containing salt tolerant vegetation or shellfish habitat; or
- (c) 1,000 square feet of a great pond.

All other activities must be performed in compliance with all sections of Chapter 310, the Wetland Protection Rules, except 310.2(C), 5(A), 9(1), 9(B) and 9(C).

- (8) The activity may not permanently block any fish passage in any watercourse containing fish. The applicant must improve passage beyond what restriction may already exist unless the Department of Inland Fisheries and Wildlife, the Department of Marine Resources, the Atlantic Salmon Authority and the DEP's Division of Environmental Assessment concur that the improvement is not necessary.
- (9) Rocks may not be removed from below the normal high water line of any coastal wetland, freshwater wetland, great pond, river, stream or brook except to the minimum extent necessary for completion of work within the limits of construction.
- (10) If work is performed in a river, stream or brook that is less than three feet deep at the time and location of the activity, with the exception of culvert installation, the applicant must divert flow away from the activity while work is in progress.
  - (a) Diversion may be accomplished by the use of stable, inert material. No more than two thirds (2/3) of stream width may be diverted at one time.
  - (b) Any material used to divert water flow must be completely removed upon completion of the activity, and the stream bottom must be restored to its original condition.
  - (c) A pump may be operated, where necessary, for a temporary diversion. The pump outlet must be located and operated such that erosion or the discharge of sediment to the water is prevented.

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NOTE: Guidance on the appropriate location of a diversion and materials which should be used for a stream diversion can be obtained from the on site Construction Manager.

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- (11) Wheeled or tracked equipment may not operate in the water. Equipment operating on the shore may reach into the water with a bucket or similar extension. Equipment may cross streams on rock, gravel or ledge bottom.
- (12) All wheeled or tracked equipment that must travel or work in a vegetated wetland area must travel and work on mats or platforms.

- (13) Any debris or excavated material must be stockpiled either outside the wetland or on mats or platforms. Hay bales or silt fence must be used, where necessary, to prevent sedimentation. Any debris generated during the activity must be prevented from washing downstream and must be removed from the wetland or water body. Disposal of debris must be in conformance with the Maine Hazardous Waste, Septage and Solid Waste Management Act, 38 M.R.S.A. Section 1301 et seq.
- (14) Work below the normal high water line of a great pond, river, stream or brook must be done at low water except for emergency work or work agreed to by the resource agencies listed in paragraph 2 above. Measures, such as a silt boom or staked fencing, must be employed to reduce and isolate turbidity.
- (15) Perimeter controls must be installed before the work starts. Disturbance of natural resources beyond the construction limits shown on the plans is not allowed under this rule.

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NOTE: Guidance on the location of construction limits can be obtained from the on site Construction Manager.

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- (16) The use of untreated lumber is preferred. Lumber pressure treated with chromated copper arsenate (CCA) may be used, provided it is cured on dry land in a manner that exposes all surfaces to the air for a period of at least 21 days prior to construction. Wood treated with creosote or pentachlorophenol may not be used where it will contact water.
- (17) A temporary road for equipment access must be constructed of crushed stone, blasted ledge, or similar materials that will not cause sedimentation or restrict fish passage. Such roads must be completely removed at the completion of the activity. In addition, any such temporary roads which are in rivers, streams or brooks, must allow for a passage of stormwater flows associated with a 10-year storm.
- (18) Soil may not be disturbed during any period when soils are saturated due to rain or snow melt, except as necessary to protect work in progress or as required for bridge maintenance activities. Areas where soils are saturated (i.e. water drips from the soil when squeezed by hand, or the soil is capable of being rolled into a rod 1/8th inch in diameter that does not crumble) must be immediately mulched if they are disturbed.
- (19) Disturbed soil must be protected within one week from the time it was last actively worked, and prior to any storm event, using temporary or permanent measures such as the placement of riprap, sod, mulch, erosion control blankets, or other comparable measures.
- (20) Hay bale or straw mulch, where used, must be applied at a rate of at least one bale per 500 square feet (1 to 2 tons per acre).
- (21) If mulch is likely to be moved because of steep slopes or wind exposure, it must be anchored with netting, peg and twine, binder or other suitable method and must be maintained until a catch of vegetation is established over the entire disturbed area.
- (22) In addition to the placement of riprap, sod, erosion control blankets or mulch, additional steps must be taken where necessary to prevent sedimentation of the water. Evidence of sedimentation includes visible sheet, rill or gully erosion, discoloration of water by

suspended particles and/or slumping of banks. Silt fences, staked hay bales and other sedimentation control measures, where planned for, must be in place prior to the commencement of an activity, but must also be installed whenever necessary to prevent erosion and sedimentation.

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NOTE: Guidance on the location and proper installation of erosion control measures can be obtained from the on site Construction Manager.

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- (23) Temporary erosion control measures must be maintained and inspected weekly until the site is permanently stabilized with vegetation or other permanent control measures. Erosion control measures must also be inspected immediately prior to and following storms.
- (24) Permanent erosion control measures protecting all disturbed areas must be implemented within 30 days from the time the areas were last actively worked, or for fall and winter activities by the following June 15, except where precluded by the type of activity (e.g. riprap, road surfaces, etc.). The permanent erosion control measures must be maintained.
- (25) The applicant shall immediately take appropriate measures to prevent erosion or sedimentation from occurring or to correct any existing problems, regardless of the time of year.
- (26) Non-native species may not be planted in restored areas.
- (27) Disposal of debris must be in conformance with Maine Hazardous Waste, Septage and Solid Waste Management Act, 38 M.R.S.A. Sections 1301 et seq.
- (28) Disturbance of vegetation must be avoided, if possible. Where vegetation is disturbed outside of the area covered by any road or structure construction, it must be reestablished immediately upon completion of the activity and must be maintained.
- (29) A vegetated area at least 25 feet wide must be established and maintained between any new stormwater outfall structure and the high water line of any open water body. A velocity reducing structure must be constructed at the outlet of the stormwater outfall that will create sheet flow of stormwater, and prevent erosion of soil within the vegetated buffer. If the 25 foot vegetated buffer is not practicable, the applicant must explain the reason for a lesser setback in writing. Approval from the DEP must be in writing and any recommendations must be incorporated into the activity.

**C. Definitions.** The following terms, as used in this chapter, have the following meanings, unless the context indicates otherwise:

- (1) Diversion. A rerouting of a river, stream or brook to a location outside of its established channel.
- (2) Fill. a. (verb) To put into or upon, supply to, or allow to enter a water body or wetland any earth, rock, gravel, sand, silt, clay, peat, or debris; b. (noun) Material, other than structures, placed in or immediately adjacent to a wetland or water body.

- (3) Floodplain wetlands. Freshwater wetlands that are inundated with flood water during a 100-year flood event based on flood insurance maps produced by the Federal Emergency Agency or other site specific information.
- (4) Riprap. Rocks that are fit into place, usually without mortar, on a slope as defined in the State of Maine, Department of Transportation, Standard Specifications for Highway and Bridges, revision of April 1995.

Permit No: GP-39

Effective Date: Sept. 29, 2000

Expiration Date: Sept. 29, 2005

Applicant: General Public, State of Maine

**DEPARTMENT OF THE ARMY  
PROGRAMMATIC GENERAL PERMIT  
STATE OF MAINE**

The New England District of the U.S. Army Corps of Engineers hereby issues a programmatic general permit (PGP) that expedites review of minimal impact work in coastal and inland waters and wetlands within the State of Maine. Activities with minimal impacts, as specified by the terms and conditions of this general permit and on the attached DEFINITION OF CATEGORIES sheets, are either non-reporting (provided required local and state permits are received), or are reporting, to be screened by the Corps and Federal Resource Agencies for applicability under the general permit. This general permit does not affect the Corps individual permit review process or activities exempt from Corps jurisdiction.

**Activities Covered:** work and structures that are located in, or that affect, navigable waters of the United States (regulated by the Corps under Section 10 of the Rivers and Harbors Act of 1899) and the discharge of dredged or fill material into waters of the United States (regulated by the Corps under Section 404 of the Clean Water Act), and the transportation of dredged material for the purpose of disposal in the ocean (regulated by the Corps under Section 103 of the Marine Protection, Research and Sanctuaries Act).

**PROCEDURES:**

**A. State Approvals**

For projects authorized pursuant to this general permit that are also regulated by the State of Maine, the following state approvals are also required and must be obtained in order for this general permit authorization to be valid (applicants are responsible for ensuring that all required state permits and approval have been obtained):

- (a) Maine Department of Environmental Protection (DEP): Natural Resources Protection Act permit, including permit-by-rule and general permit authorizations; Site Location and Development Act permit; and Maine Waterway Development and Conservation Act.
- (b) Maine Department of Conservation: Land Use Regulation Commission (LURC) permit.
- (c) Maine Department of Marine Resources: Lease.
- (d) Bureau of Public Lands, Submerged Lands: Lease.

Note that projects not regulated by the State of Maine (e.g., seasonal floats or moorings) may still be authorized by this general permit.

## **B. Corps Authorizations : Category I (Non-Reporting)**

Work in Maine subject to Corps jurisdiction that meets the definition of Category I on the attached DEFINITION OF CATEGORIES sheets and that meets all of this permit's other conditions, does not require separate application to the Corps of Engineers. If the State or the Corps does not contact the applicant for PBRs and Tier One permits during the State's Tier One 30-day review period, Corps approval may be assumed and the project may proceed. Refer to the Procedures Section at Paragraph E below for additional information regarding screening.

**Note that the review thresholds under Category I apply to single and complete projects only (see special condition 5). Also note that Category I does not apply to projects occurring in a component of, or within 0.25 miles up and downstream of the main stem or tributaries of a river segment of the National Wild and Scenic River System (see condition 11, and page 9 for the listed rivers in Maine).**

There are also restrictions on other national lands or concerns which must be met in order for projects to be eligible for authorization under this PGP. Refer to special conditions 6-13 under Paragraph F below.

Work that is not regulated by the State of Maine, but that is subject to Corps jurisdiction, is eligible for Corps authorization under this PGP in accordance with the review thresholds and conditions contained herein.

Although Category I projects are non-reporting, the Corps reserves the right to require screening or an individual permit review if there are concerns for the aquatic environment or any other factor of the public interest (see special condition 4 on Discretionary Authority). The Corps review or State/Federal screening process may also result in project modification, mitigation or other special conditions necessary to minimize impacts and protect the aquatic environment as a requirement for PGP approval.

## **C. Corps Authorization: Category II (Reporting – requiring screening)**

### **APPLICATION PROCEDURES**

For projects that do not meet the terms of Category I (see DEFINITION OF CATEGORIES sheets), the Corps, State, and Federal Resource Agencies will conduct joint screening meetings to review applications. If projects are concurrently regulated by the DEP or LURC, applicants do not need to submit separate applications to the Corps. For projects not regulated by DEP or LURC, applicants must submit an application to the Corps Maine Project Office for a case-by-case determination of eligibility under this general permit (Category II). **Category II projects may not proceed until written notification is received from the Corps.**

Category II projects which occur in a component of, or within 0.25 mile up or downstream of the main stem or tributaries of a river segment of the National Wild and Scenic River System, will be coordinated with the National Park Service (see special condition 11, and page 9 for listed rivers in Maine).

There are also restrictions on other national lands or concerns which must be met in order for projects to be eligible for authorization under this PGP. Refer to special conditions 6-14 under Paragraph E below.

Category II applicants shall submit a copy of their application materials to the Maine Historic Preservation Commission and/or applicable Indian tribe(s) at the same time, or before, they apply to the DEP, LURC, or the Corps so that the project can be reviewed for the presence of historic/archaeological resources in the project area that may be affected by the proposed work. **Applications to the DEP or the Corps should include information to indicate that this has been done (applicant's statement or copy of cover letter to Maine Historic Preservation Commission and/or Indian tribe(s)).**

**The Corps may require additional information on a case-by-case basis as follows:**

- (a) purpose of project;
- (b) 8 1/2" by 11" plan views of the entire property including property lines and project limits with existing and proposed conditions (**legible, reproducible plans required**);
- (c) wetland delineation for the site, information on the basis of the delineation, and calculations of waterway and wetland impact areas (see special condition 2);
- (d) typical cross-section views of all wetland and waterway fill areas and wetland replication areas;
- (e) delineation of submerged aquatic vegetation, e.g., eel grass beds, in tidal waters;
- (f) area, type and source of fill material to be discharged into waters and wetlands, including the volume of fill below ordinary high water in inland waters and below the high tide line in coastal waters;
- (g) mean low, mean high water and high tide elevations in navigable waters;
- (h) limits of any Federal navigation project in the vicinity and State Plane coordinates for the limits of the proposed work closest to the Federal project;
- (i) on-site alternatives analysis (contact Corps for guidance);
- (j) identify and describe potential impacts to Essential Fish Habitat (contact Corps for guidance);
- (k) for dredging projects, include:
  - 1) the volume of material and area in square feet to be dredged below mean high water,
  - 2) existing and proposed water depths,
  - 3) type of dredging equipment to be used,
  - 4) nature of material (e.g., silty sand),

- 5) any existing sediment grain size and bulk sediment chemistry data for the proposed or any nearby projects,
- 6) information on the location and nature of municipal or industrial discharges and occurrences of any contaminant spills in or near the project area,
- 7) location of the disposal site (include locus sheet),
- 8) shellfish survey, and
- 9) sediment testing, including physical, chemical and biological testing. For projects proposing open water disposal, applicants are encouraged to contact the Corps as early as possible regarding sampling and testing protocols.

The Corps may request additional information. Dredging applicants may be required to conduct a shellfish and/or eel grass survey and sediment testing, including physical, chemical and biological testing. Sediment sampling and testing plans should be prepared or approved by the Corps before the samples are collected.

#### **STATE-FEDERAL SCREENING PROCEDURES:**

The Corps intends to utilize the application information required by the State for its regulatory program to the maximum extent practicable and the Corps normally will not be interacting with an applicant who is concurrently making application to the DEP or LURC. Projects not regulated by the State, but needing Corps of Engineers approval, **must apply directly to the Corps**. The joint screening meeting for Category II projects will occur regularly at the Corps or State offices and will involve representatives from the DEP, the Corps, the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, and the National Marine Fisheries Service.

The Corps and Federal Resource Agencies will classify the project within the State's review period, not to exceed 60 days, as: 1) approvable under the PGP as proposed; 2) needs additional information, including possible project modification, mitigation or other special conditions to minimize impacts; or 3) exceeds the terms or conditions of the PGP, including the minimal effects requirement, and an individual permit review will be required. In addition, the Corps retains the ability to exercise its discretionary authority and require an individual permit, irrespective of whether the terms and conditions of this general permit are met, based on concerns for the aquatic environment or any factor of the public interest (see special condition 4 on Discretionary Authority). All Category II projects must receive written approval from the Corps before work can proceed. If the project is not approvable as proposed, the DEP, LURC, or the Corps will contact the applicant to discuss the concerns raised. If the applicant is unable to resolve the concerns, the Corps, independently or at the request of the Federal Resource Agencies, will require an individual permit for the project. The applicant will be notified of this in writing, along with information about submitting the necessary application materials. The comments from the Federal Resource Agencies to the Corps may be verbal initially, and must be made within 10 working days of the screening meeting. These comments must be confirmed in writing within 10 calendar days of the verbal response if the Resource Agency(ies) will request an individual permit. The Federal Resource Agency's comments must reflect a concern within their area of expertise, state the species or resources that could be impacted by the project, and describe the impacts that either individually or cumulatively will be more than minimal.



## MINERALS MANAGEMENT SERVICE (MMS) REVIEW

For Category II projects which involve construction of solid fill structures or discharge of fills along the coast which may extend the coastline or baseline from which the territorial sea is measured, coordination between the Corps and Minerals Management Service (MMS), Continental Shelf (OCS) Survey Group, will be needed (pursuant to the Submerged Lands Act, 43 U.S.C., Section 1301-1315, 33 CFR 320.4(f)). During the screening period, the Corps will forward project information to MMS for their review. MMS will coordinate their determination with the Department of the Interior (DOI) Solicitor's Office. The DOI will have 15 calendar days from the date MMS is in receipt of project information to determine if the baseline will be affected. No notification to the Corps within 15 day review period will constitute a "no affect" determination. Otherwise, the solicitor's notification to the Corps may be verbal but must be followed with a written confirmation within 10 business days from the date of the verbal notification. This procedure will be eliminated if the State of Maine provides a written waiver of interest in any increase in submerged lands caused by a change in the baseline resulting from solid fill structure or fills authorized under this general permit.

### **D. Corps Authorization: Category III (Individual Permit)**

Work that is in the INDIVIDUAL PERMIT category on the attached DEFINITION OF CATEGORIES sheets, or that does not meet the terms and conditions of this general permit, will require an application for an individual permit from the Corps of Engineers (see 33 CFR Part 325.1). The screening procedures outlined above will only serve to delay project review in such cases. The applicant should submit the appropriate application materials (including the Corps application form) at the earliest possible date. General information and application forms can be obtained at (207) 623-8367 (Maine Field Office), (800) 343-4789, or (800) 362-4367 in Massachusetts. Individual water quality certification and coastal zone management consistency concurrence will be required from the State of Maine before Corps permit issuance.

### **E. Programmatic General Permit Conditions:**

The following conditions apply to activities authorized under the PGP, including all Category I (non-reporting) and Category II (reporting – requiring screening) activities:

#### GENERAL REQUIREMENTS:

1. **Other Permits.** Authorization under this general permit does not obviate the need to obtain other Federal, state, or local authorizations required by law.
2. **Applicability of this general permit shall be evaluated with reference to Federal jurisdictional boundaries.** Applicants are responsible for ensuring that the boundaries used satisfy the federal criteria defined at 33 CFR 328-329.
3. **Minimal Effects.** Projects authorized by this general permit shall have minimal individual and cumulative adverse environmental impacts as determined by the Corps.

4. **Discretionary Authority.** Notwithstanding compliance with the terms and conditions of this permit, the Corps of Engineers retains discretionary authority to require review for an individual permit based on concerns for the aquatic environment or for any other factor of the public interest. This authority is invoked on a case-by-case basis whenever the Corps determines that the potential consequences of the proposal warrant individual review based on the concerns stated above. This authority may be invoked for projects with cumulative environmental impacts that are more than minimal or if there is a special resource or concern associated with a particular project that is not already covered by the remaining conditions of the PGP and that warrants greater review.

Whenever the Corps notifies an applicant that an individual permit may be required, authorization under this general permit is void and no work may be conducted until the individual Corps permit is obtained or until the Corps notifies the applicant that further review has demonstrated that the work may proceed under this general permit.

5. **Single and Complete Projects.** This general permit shall not be used for piecemeal work and shall be applied to single and complete projects. All components of a single project and/or all planned phases of multi-phased projects shall be treated together as constituting one single and complete project (e.g., subdivisions should include all work such as roads, utilities, and lot development). This general permit shall not be used for any activity that is part of an overall project for which an individual permit is required.

#### NATIONAL CONCERNS:

6. **St. John/St. Croix Rivers.** This covers work within the Saint John and Saint Croix River basins that requires approval of the International Joint Commission. This includes any temporary or permanent use, obstruction or diversion of international boundary waters which could affect the natural flow or levels of waters on the Canadian side of the line, as well as any construction or maintenance of remedial works, protective works, dams, or other obstructions in waters downstream from boundary waters when the activity could raise the natural level of water on the Canadian side of the boundary.
7. **Historic Properties.** Any activity authorized by this general permit shall comply with Section 106 of the National Historic Preservation Act. Information on the location and existence of historic resources can be obtained from the Maine Historic Preservation Commission and the National Register of Historic Places. Federally recognized tribes (Penobscots, Passamaquoddys, Micmacs, and Maliseets) may know of the existence of other sites that may be of significance to their tribes. See page 14 for historic properties contacts.

Applicants with projects which will undergo the screening process (Category II) shall submit a copy of their application materials, with the name and address of the applicant clearly indicated, to the Maine Historic Preservation Commission, 55 Capitol Street, State House Station 65, Augusta, Maine 04333, and to the applicable tribe(s) to be reviewed for the presence of historic and/or archaeological resources in the permit area that may be affected by the proposed work. The Corps will then be notified by the Commission and/or

Tribe within 10 days if there are State and/or tribal concerns that the proposed work will have an effect on historic resources. The applicant should include with their application to the State or the Corps either a copy of their cover letter or a statement of having sent their application material to the Commission and Tribe(s).

If the permittee, either prior to construction or during construction of the work authorized herein, encounters a previously unidentified archaeological or other cultural resource, within the area subject to Department of the Army jurisdiction, that might be eligible for listing in the National Register of Historic Places, he/she shall stop work and immediately notify the District Engineer and the Maine Historic Preservation Commission and/or applicable Tribe(s).

8. **National Lands.** Activities authorized by this general permit shall not impinge upon the value of any National Wildlife Refuge, National Forest, or any area administered by the National Park Service.
9. **Endangered Species.** No activity is authorized under this general permit which
  - may affect a threatened or endangered species or a species proposed for such designation as identified under the Federal Endangered Species Act (ESA),
  - is likely to destroy or adversely modify the critical habitat or proposed critical habitat of such species,
  - would result in a 'take' of any threatened or endangered species of fish or wildlife, or
  - would result in any other violation of Section 9 of the ESA protecting threatened or endangered species of plants.

Applicants shall notify the Corps if any listed species or critical habitat, or proposed species or critical habitat, is in the vicinity of the project and shall not begin work until notified by the District Engineer that the requirements of the Endangered Species Act have been satisfied and that the activity is authorized. Information on the location of threatened and endangered species and their critical habitat can be obtained from the U.S. Fish and Wildlife Service and National Marine Fisheries Service (addresses attached, page 14).

10. **Essential Fish Habitat.** As part of the PGP screening process, the Corps will coordinate with the National Marine Fisheries Service (NMFS) in accordance with the 1996 amendments to the Magnuson-Stevens Fishery and Conservation Management Act to protect and conserve the habitat of marine, estuarine and anadromous finfish, mollusks, and crustaceans. This habitat is termed "essential fish habitat (EFH)", and is broadly defined to include "those waters and substrate necessary to fish for spawning, breeding, feeding, or growth to maturity." Applicants may be required to describe and identify potential impacts to EFH based upon the location of the project, the activity proposed, and the species present. Conservation recommendations made by NMFS will normally be included as a permit requirement by the Corps. Information on the location of EFH can be obtained from the NMFS regulations (50 CFR Part 600) (address listed on page 14) and on their web site (<http://www.nero.nmfs.gov/ro/doc/webintro.html>).

The EFH designation for Atlantic salmon includes all aquatic habitats in the watershed of the following rivers and streams, including all tributaries to the extent that they are currently or were historically accessible for salmon migration:

St. Croix River	Pleasant River	Union River
Boyden River	Narraguagus River	Ducktrap River
Dennys River	Tunk Stream	Sheepscot River
Hobart Stream	Patten Stream	Kennebec River
Aroostook River	Orland River	Androscoggin River
East Machias River	Penobscot River	Presumpscot River
Machias River	Passagassawaukeag River	Saco River

11. **Wild and Scenic Rivers.** Any activity that occurs in a component of, or within 0.25 mile up or downstream of the main stem or tributaries of a river segment of the National Wild and Scenic River System, **must be reviewed by the Corps under the procedures of Category II of this general permit regardless of size of impact.** This condition applies to both designated wild and scenic rivers and rivers designated by Congress as study rivers for possible inclusion while such rivers are in an official study status. The Corps will consult with the National Park Service (NPS) with regard to potential impacts of the proposed work on the resource values of the Wild and Scenic River. The culmination of this coordination will be a determination by the NPS and the Corps that the work: (1) may proceed as proposed; (2) may proceed with recommended conditions; or (3) could pose a direct and adverse effect on the resource values of the river and an individual permit is required. If preapplication consultation between the applicant and the NPS has occurred whereby the NPS has made a determination that the proposed project is appropriate for authorization under this PGP (with respect to wild and scenic river issues), this determination should be furnished to the Corps with submission of the application. The address of the NPS can be found on Page 14 of this permit. *National Wild/Scenic Rivers System (Designated River in Maine) as of 5/2/00: Allagash River beginning at Telos Dam continuing to Allagash checkpoint at Eliza Hole Rapids, approximately 3 miles upstream of the confluence with the St. John River. Length = 92 miles*
12. **Federal Navigation Project.** Any structure or work that extends closer to the horizontal limits of any Corps navigation project than a distance of three times the project's authorized depth (see attached map following page 16 for locations of these projects) shall be subject to removal at the owner's expense prior to any future Corps dredging or the performance of periodic hydrographic surveys.
13. **Navigation.** There shall be no unreasonable interference with navigation by the existence or use of the activity authorized herein and no attempt shall be made by the permittee to prevent the full and free use by the public of all navigable waters at or adjacent to the activity authorized herein.

The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure

or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

14. **Federal Liability.** In issuing this permit, the Federal Government does not assume any liability for the following: (a) damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes; (b) damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest; (c) damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit; (d) design or construction deficiencies associated with the permitted work; (e) damage claims associated with any future modification, suspension, or revocation of this permit.

#### MINIMIZATION OF ENVIRONMENTAL IMPACTS:

15. **Minimization.** Discharges of dredged or fill material into waters of the United States shall be avoided and minimized to the maximum extent practicable, regardless of review category.
16. **Work in Wetlands.** Heavy equipment working in wetlands shall be avoided if possible, and **if required, shall be placed on mats or other measures taken** to minimize soil and vegetation disturbance. Disturbed areas in wetlands shall be restored to preconstruction contours and conditions upon completion of the work.
17. **Temporary Fill.** Temporary fill in waters and wetlands authorized by this general permit (e.g., access roads, cofferdams) shall be properly stabilized during use to prevent erosion. Temporary fill in wetlands shall be placed on geotextile fabric laid on existing wetland grade. Temporary fills shall be disposed of at an upland site, suitably contained to prevent erosion and transport to a waterway or wetland. Temporary fill areas shall be restored to their approximate original contours but not higher. No temporary fill shall be placed in waters or wetlands unless specifically authorized by the Corps.
18. **Sedimentation and Erosion Control.** Adequate sedimentation and erosion control management measures, practices and devices, such as phased construction, vegetated filter strips, geotextile silt fences or other devices, shall be installed and properly maintained to reduce erosion and retain sediment on-site during and after construction. They shall be capable of preventing erosion, of collecting sediment, suspended and floating materials, and of filtering fine sediment. These devices shall be removed upon completion of work and the disturbed areas shall be stabilized. The sediment collected by these devices shall be removed and placed at an upland location in a manner that will prevent its later erosion into a waterway or wetland. All exposed soil and other fills shall be permanently stabilized at the earliest practicable date.

19. **Waterway Crossings.**

- (a) All temporary and permanent crossings of waterbodies shall be suitably culverted, bridged, or otherwise designed to withstand and to prevent the restriction of high flows, to maintain existing low flows, and to not obstruct the movement of aquatic life indigenous to the waterbody beyond the actual duration of construction.
- (b) Temporary bridges, culverts, or cofferdams shall be used for equipment access across streams (NOTE: areas of fill and/or cofferdams must be included in total waterway/wetlands impacts to determine applicability of this general permit).
- (c) For projects that otherwise meet the terms of Category I, instream construction work shall be conducted during the low flow period July 15 - October 1 in any year. Projects that are not to be conducted during that time period are ineligible for Category I and shall be screened pursuant to Category II, regardless of the waterway and wetland fill and/or impact area.

20. **Discharge of Pollutants.** All activities involving any discharge of pollutants into waters of the United States authorized under this general permit shall be consistent with applicable water quality standards, effluent limitations, standards of performance, prohibitions, and pretreatment standards and management practices established pursuant to the Clean Water Act (33 U.S.C. 1251) and applicable state and local laws. If applicable water quality standards, limitations, etc., are revised or modified during the term of this permit, the authorized work shall be modified to conform with these standards within six months of the effective date of such revision or modification, or within a longer period of time deemed reasonable by the District Engineer in consultation with the Regional Administrator of the Environmental Protection Agency. Applicants may presume that state water quality standards are met with issuance of the 401 Water Quality Certification.

21. **Spawning Areas.** Discharges into known 1) fish and shellfish spawning or nursery areas; and 2) amphibian and waterfowl breeding areas, during spawning or breeding seasons shall be avoided, and impacts to these areas shall be avoided or minimized to the maximum extent practicable during all times of year.

22. **Storage of Seasonal Structures.** Coastal structures such as pier sections and floats that are removed from the waterway for a portion of the year shall be stored in an upland location located above mean high water and not in tidal marsh.

23. **Environmental Values.** The permittee shall make every reasonable effort to carry out the construction or operation of the work authorized herein in a manner so as to maintain as much as is practicable, and to minimize any adverse impacts on, existing fish and wildlife and natural environmental values.

24. **Protection of Vernal Pools.** Impacts to uplands in proximity (within 500 feet) to the vernal pools referenced in DEFINITIONS OF CATEGORIES shall be minimized to the maximum extent possible.

## PROCEDURAL CONDITIONS:

25. **Cranberry Development Projects.** For Cranberry development projects authorized under the PGP, the following conditions apply:
1. If a cranberry bog is abandoned for any reason, the area must be allowed to convert to natural wetlands unless an individual permit is obtained from the Corps of Engineers allowing the discharge of fill for an alternate use.
  2. No stream diversion shall be allowed under this permit.
  3. No impoundment of perennial streams shall be allowed under this permit.
  4. The project shall be designed and constructed to not cause flood damage on adjacent properties.
26. **Inspections.** The permittee shall permit the District Engineer or his authorized representative(s) to make periodic inspections at any time deemed necessary in order to ensure that the work is being performed in accordance with the terms and conditions of this permit. The District Engineer may also require post-construction engineering drawings for completed work, and post-dredging survey drawings for any dredging work. **To facilitate these inspections, the attached work notification form should be filled out and returned to the Corps for all Category II projects.**
27. **Maintenance.** The permittee shall maintain the work or structures authorized herein in good condition, including maintenance, to ensure public safety. Dredging projects: note that this does not include maintenance of dredging projects. Maintenance dredging is subject to the review thresholds described on the attached DEFINITION OF CATEGORIES sheets and/or any conditions included in a written Corps authorization.
28. **Property Rights.** This permit does not convey any property rights, either in real estate or material, or any exclusive privileges, nor does it authorize any injury to property or invasion of rights or any infringement of federal, state, or local laws or regulations. **If property associated with work authorized by the PGP is sold, the PGP authorization is automatically transferred to the new property owner. The new property owner should provide this information to the Corps in writing. No acknowledgement from the Corps is necessary.**
29. **Modification, Suspension, and Revocation.** This permit may be either modified, suspended, or revoked, in whole or in part, pursuant to the policies and procedures of 33 CFR 325.7 and any such action shall not be the basis for any claim for damages against the United States.
30. **Restoration.** The permittee, upon receipt of a notice of revocation of authorization under this permit, shall restore the wetland or waterway to its former condition without expense to the United States and as directed by the Secretary of the Army or his authorized representative. If the permittee fails to comply with such a directive, the Secretary or his designee may restore the wetland or waterway to its former condition, by contract or otherwise, and recover the cost from the permittee.

31. **Special Conditions.** The Corps, independently or at the request of the Federal Resource Agencies, may impose other special conditions on a project authorized pursuant to this general permit that are determined necessary to minimize adverse environmental effects or based on any other factor of the public interest. Failure to comply with all conditions of the authorization, including special conditions, will constitute a permit violation and may subject the permittee to criminal, civil, or administrative penalties or restoration.
32. **False or Incomplete Information.** If the Corps makes a determination regarding the eligibility of a project under this permit and subsequently discovers that it has relied on false, incomplete, or inaccurate information provided by the permittee, the permit shall not be valid and the government may institute appropriate legal proceedings.
33. **Abandonment.** If the permittee decides to abandon the activity authorized under this general permit, unless such abandonment is merely the transfer of property to a third party, he/she must restore the area to the satisfaction of the District Engineer.
34. **Enforcement cases.** This general permit does not apply to any existing or proposed activity in Corps jurisdiction associated with an on-going Corps of Engineers or Environmental Protection Agency enforcement action until such time as the enforcement action is resolved or the Corps determines that the activity may proceed independently without compromising the enforcement action. The Corps may choose not to accept applications or issue permits to any applicant with outstanding violations.
35. **Emergency situations.** This PGP can be used to authorize the repair, rehabilitation, or replacement of those structures destroyed by storms, floods, fire or other discrete unexpected and catastrophic event. In such situations and if the work exceeds Category I limitations, if applicant applies to the Corps within 30 days of the event, the Corps will attempt to contact the resource agencies for their approvals but, if unable to contact them, will issue an emergency permit and review them after-the-fact with the agencies at the next joint processing meeting. Proposed work submitted more than 30 days after the emergency will go through the standard PGP procedures.

#### DURATION OF AUTHORIZATION/GRANDFATHERING:

36. **Duration of Authorization.** Activities authorized under this general permit that have commenced (i.e., are under construction) or are under contract to commence in reliance upon this authorization will remain authorized provided the activity is completed within twelve months of the date of the general permit's expiration, modification, or revocation, unless discretionary authority has been exercised on a case-by-case basis to modify, suspend, or revoke the authorization in accordance with 33 CFR 325.2 (e)(2). Activities completed under the authorization of the general permit that was in effect at the time the activity was completed will continue to be authorized by the general permit.



**37. Previously Authorized Activities.**

- (a) Activities which have commenced (i.e., are under construction or are under contract to commence) prior to the issuance date of this general permit, in reliance upon the terms and conditions of the non-reporting category of the previous Maine PGP shall remain authorized provided the activity is completed within twelve months of the date of issuance of this general permit, unless discretionary authority has been exercised on a case-by-case basis to modify, suspend, or revoke the authorization in accordance with special condition 4. The applicant must be able to document to the Corps satisfaction that the project was under construction or contract by the appropriate date.
- (b) Projects that have received written verification or approval from the Corps, based on applications made to the Corps prior to issuance of this general permit, for the previous Maine SPGP and PGP, Nationwide permits, regional general permits, or letters of permission shall remain authorized as specified in each authorization.
- (c) This general permit does not affect activities authorized pursuant to 33 CFR Part 330.3 (activities occurring before certain dates).

{PRIVATE}DISTRICT  
ENGINEER\_\_\_\_\_

DATE\_\_\_\_\_

## CONTACTS FOR MAINE PROGRAMMATIC GENERAL PERMIT:

*U.S. Army Corps of Engineers*  
Maine Project Office  
675 Western Avenue #3  
Manchester, Maine 04351  
207-623-8367  
Fax # 207-623-8206

*Federal Endangered Species*  
U.S. Fish and Wildlife Service  
Maine Field Office  
1033 South Main Street  
Old Town, Maine 04468  
207-827-5938  
Fax # 207-827-6099

*Wild and Scenic Rivers*  
National Park Service  
North Atlantic Region  
15 State Street  
Boston, MA 02109  
617-223-5203

*Maine Historic Preservation Commission*  
55 Capitol Street  
State House Station 65  
Augusta, Maine 04333  
207-287-2132  
Fax # 207-287-2335

*Aroostook Band of Micmacs*  
P.O. Box 772  
Presque Isle, Maine 04769  
207-764-1972  
Fax # 207-764-7667

*Passamaquoddy Tribe of Indians*  
Pleasant Point Reservation  
Attn: Tribal Council  
P.O. Box 343  
Perry, Maine 04667  
207-853-2600  
Fax # 207-853-6039

*Federal Endangered Species and Essential  
Fish Habitat*  
National Marine Fisheries Service  
One Blackburn Drive  
Gloucester, Massachusetts 01939  
978-281-9102  
Fax # 978-281-9301

*Houlton Band of Maliseet Indians*  
Attn: Brenda Commander, Tribal Chief  
Route 3 – Box 450  
Houlton, Maine 04730  
207-532-4273  
Fax # 207-532-2660

*Passamaquoddy Tribe of Indians*  
Indian Township Reservation  
Attn: Donald Soctomah  
P.O. Box 301  
Princeton, Maine 04668  
207-796-2301  
Fax # 207-796-5256

*Penobscot Indian Nation*  
Richard Hamilton, Chief  
6 River Road  
Indian Island Reservation  
Old Town, Maine 04468  
(207) 827-7776  
Fax # 207-827-1137

*Maine Department of Environmental Protection  
(For State Permits and Water Quality  
Certifications)*

Natural Resources Division  
Bureau of Land and Water Quality Control  
State House Station 17  
Augusta, Maine 04333  
207-287-2111

Southern Maine Regional Office  
312 Canco Road  
Portland, Maine 04103  
201-822-6300

Eastern Maine Regional Office  
106 Hogan Road  
Bangor, Maine 04401  
207-941-4570

Northern Maine Regional Office  
1235 Central Drive  
Skyway Park  
Presque Isle, Maine 04769  
207-764-0477

*Maine Land Use Regulation Commission (LURC)  
offices*

22 State House Station  
Augusta, ME 04333-0022  
207-287-2631  
800-452-8711 (call to obtain appropriate LURC  
office)  
Fax # 207-287-7439

45 Radar Road  
Ashland, ME 04732-3600  
207-435-7963  
Fax # 207-435-7184

Lakeview Drive  
P.O. Box 1107  
Greenville, ME 04441  
207-695-2466  
Fax # 207-695-2380

191 Main Street  
East Millinocket, ME 04430  
207-746-2244  
Fax # 207-746-2243

*(For CZM Determinations)*

State Planning Office  
Coastal Program  
184 State Street  
State House Station 38  
Augusta, Maine 04333  
207-287-1009

*Maine Department of Marine Resources  
(For Aquaculture Leases)*  
McKown Point  
Boothbay Harbor, Maine 04575  
207-633-9500

*(For Submerged Lands Leases)*

Maine Department of Conservation  
Bureau of Parks and Lands  
22 State House Station  
207-287-3061

<b>A. INLAND WETLANDS (WATERS OF THE U.S.)<sup>1</sup></b>	<b>CATEGORY I</b>	<b>CATEGORY II</b>	<b>INDIVIDUAL PERMIT</b>
(a) NEW FILL/ EXCAVATION DISCHARGES	<p>Less than 4,300 sf inland waterway and/or wetland fill and secondary impacts (e.g., areas drained, flooded or cleared).</p> <p>-- Includes projects covered by a State Tier One permit with no cumulative impacts over 15,000 sf in inland wetlands from previous permits, unauthorized work, and/or other state permits.</p> <p>--Includes crossing of perennial waterways designated as Essential Fish Habitat (EFH) for Atlantic salmon<sup>2</sup> if the waterway is crossed with a span and footprints of the span abutments are outside ordinary high water with no more than 4,300 sf of associated wetland impact.</p> <p>--Includes in-stream work of up to 4,300 sf of fill below ordinary high water in waterways not designated as EFH for Atlantic salmon<sup>2</sup> and performed in accordance with Maine Permit By Rule standards or a LURC permit.</p>	<p>4,300 sf to 3 acres inland waterway and/or wetland fill and secondary impacts (e.g., areas drained, flooded or cleared).</p> <p>--Impact area includes all temporary and permanent fill and excavation discharges except for incidental fallback.</p> <p>--Includes in-stream work, including crossings (other than spanned crossing as described in Category I) with any discharge of fill below ordinary high water in perennial waterways designated as EFH for Atlantic salmon<sup>2</sup>.</p> <p>--Time of year restrictions determined case-by-case.</p>	<p>Greater than 3 acres inland waterway and/or wetland fill and secondary impacts (e.g., areas drained, flooded or cleared).</p> <p>--Impact area includes all temporary and permanent fill and excavation discharges except for incidental fallback<sup>3</sup>.</p> <p>In-stream work exceeding Category II limits.</p> <p>If EIS required by the Corps.</p>

<sup>1</sup> Waters of the U.S. in inland areas: inland rivers, streams, lakes, ponds and wetlands.

<sup>2</sup> Essential Fish Habitat for Atlantic salmon includes all aquatic habitats in the watersheds of the following rivers and streams, including all tributaries to the extent that they are currently or were historically accessible for salmon migration: St. Croix, Boyden, Dennys, Hobart Stream, Aroostook, East Machias, Machias, Pleasant, Narraguagus, Tunk Stream, Patten Stream, Orland, Penobscot, Passagassawaukeag, Union, Ducktrap, Sheepscot, Kennebec, Androscoggin, Presumpscot, and Saco River.

The larger the impacts, the more likely an individual permit will be required. Projects involving widening, expansion or impacts to degraded or low value wetlands between 1-3 acres may be approved under Category II, subject to the Federal screening. The Corps recognizes and endorses the DEP Tier 2 upper thresholds of 1 acre. Compensatory mitigation is likely to be required at this level of impact.

	<b>CATEGORY I</b>	<b>CATEGORY II</b>	<b>INDIVIDUAL PERMIT</b>
(a) NEW FILL/ EXCAVATION DISCHARGES (continued)	<p>--Impact area includes all temporary and permanent fill and excavation discharges except for incidental fallback.</p> <p>--In-stream work limited to July 15-Oct. 1.</p> <p>--This category excludes situations when a vernal pool of any size may be impacted, in accordance with the ME DEP definition of vernal pool<sup>4</sup>.</p> <p>--This category excludes work within ¼ mile of a Wild and Scenic River<sup>5</sup>.</p> <p>--This category excludes dams, dikes, or activities involving water withdrawal or water diversion.</p> <p>--This category excludes work in National Wildlife Refuges.</p>	Proactive restoration projects with any amount of impact can be reviewed under Category II. The Corps, in consultation with State and Federal agencies, must determine that net adverse effects are not more than minimal.	
(b) BANK STABILIZATION PROJECTS	<p>Inland bank stabilization less than 500 ft. long and less than 1 cy fill per linear foot below ordinary high water in ponds, lakes, and waterways not designated as EFH for Atlantic Salmon<sup>2</sup>, provided there is no wetland fill.</p> <p>--In-stream work limited to July 15-October 1.</p>	<p>--Inland bank stabilization in ponds, lakes, and waterways not designated as EFH for Atlantic salmon<sup>2</sup> which exceeds Category I limits.</p> <p>--Inland bank stabilization of any size below ordinary high water in waterways designed as EFH for Atlantic salmon<sup>2</sup>.</p> <p>--Other stabilization exceeding Category I.</p>	
(c) REPAIR AND MAINTENANCE OF AUTHORIZED FILLS	Repair or maintenance of existing, currently serviceable, authorized fills with no substantial expansion or change in use.	Replacement of non-serviceable fills, or repair or maintenance of serviceable fills with expansion of any amount up to 1 acre, or with a change in use.	Replacement of non-serviceable fills, or repair or maintenance of serviceable fills with greater than 1 acre of expansion.

<sup>4</sup> Vernal Pool: Naturally-occurring, or intentionally created for the purposes of compensatory mitigation, temporary to permanent bodies of water occurring in shallow depressions that fill during the spring and fall and may dry during the summer. Vernal pools have no permanent or viable populations of predatory fish. Vernal pools provide the primary breeding habitat for wood frogs, spotted salamanders, blue-spotted salamanders, and fairy shrimp, and provide habitat for other wildlife including several endangered and threatened species.

<sup>5</sup> National Wild/Scenic Rivers System (Designated River in Maine): Allagash River beginning at Telos Dam continuing to Allagash checkpoint at Eliza Hole Rapids, approximately 3 miles upstream of the confluence with the St. John River. Length = 92 miles

<b>B. TIDAL WATERS AND NAVIGABLE WATERS<sup>6</sup></b>	<b>CATEGORY I</b>	<b>CATEGORY II</b>	<b>INDIVIDUAL PERMIT</b>
(a) FILL		<p>Up to 1 acre waterway or wetland fill and secondary impacts (e.g., areas drained, flooded or cleared). Includes temporary and permanent waterway fill.</p> <p>--Temporary tidal marsh impacts up to 1 acre.</p> <p>--Permanent tidal marsh, mudflat, or vegetated shallows<sup>7</sup> fill up to 1,000 sf.</p> <p>-- Proactive restoration projects with any amount of impact can be reviewed under Cat. II. The Corps, in consultation with State and Federal agencies, must determine that net adverse effects are not more than minimal.</p>	<p>Greater than 1 acre waterway fill and secondary impacts (e.g., areas drained, flooded or cleared). Includes temporary and permanent waterway fill.</p> <p>--Temporary tidal marsh impacts over 1 acre.</p> <p>--Permanent tidal marsh, mudflat, or vegetated shallows<sup>6</sup> fill over 1,000 sf.</p>
(b) REPAIR AND MAINTENANCE WORK	<p>Repair or maintenance of existing, currently serviceable, authorized structure or fill with no substantial expansion or change in use.</p> <p>--Work must be in same footprint as original structure or fill.</p>	<p>Repair or replacement of any non-serviceable structure or fill, or repair or maintenance of serviceable fills, with expansion of any amount up to 1 acre, or with a change in use.</p>	<p>Replacement of non-serviceable structures or fill or repair or maintenance of serviceable structures or fill with expansion greater than 1 acre.</p>

<sup>6</sup> Navigable Waters: waters that are subject to the ebb and flow of the tide and Federally designated navigable waters (Penobscott River to Medway, Kennebec River to Moosehead Lake, and the portion of Umbagog Lake in Maine).

<sup>7</sup> Vegetated Shallows: subtidal areas that support rooted aquatic vegetation such as eelgrass.

	<b>CATEGORY I</b>	<b>CATEGORY II</b>	<b>INDIVIDUAL PERMIT</b>
(c) DREDGING	<p>Maintenance dredging of less than 1,000 cy with upland disposal.</p> <p>--Proper siltation controls used</p> <p>--Limited to work between November 1 and January 15</p> <p>--No impact to special aquatic sites<sup>8</sup>.</p>	<p>Maintenance dredging of greater than 1,000 cy, new dredging of up to 25,000 cy, or projects that do not meet Category I. Disposal includes upland, open water or beach nourishment (above mean high water), only if material is determined suitable.</p>	<p>Maintenance dredging (any amount) in or affecting special aquatic sites<sup>7</sup>. See B(a) above for dredge disposal in wetlands or waters.</p> <p>New dredging greater than 25,000 cy or any amount in or affecting special aquatic sites<sup>7</sup>.</p>
(d) MOORINGS	<p>--Private, non-commercial, non-rental single boat moorings not associated with any boating facility<sup>9</sup> provided not located in a Federal Navigation Project, there is no interference with navigation, it is not located in vegetated shallows<sup>6</sup>, and it is within ¼ mile of the owner's residence or a public access point<sup>10</sup>.</p> <p>--Minor relocation of previously authorized moorings and moored floats consistent with Harbormaster recommendations, provided it is also consistent with local regulations, is not located in vegetated shallows, and does not interfere with navigation.</p>	<p>Moorings that do not meet the terms of Category I (e.g., rental or service moorings) and moorings that meet the terms of Category I that are located in a Federal anchorage.</p>	<p>Moorings within the horizontal limits, or with moored vessels that extend, into the horizontal limits of a Federal Navigation Project, except those in Federal anchorages under Category II.</p>

<sup>8</sup> Special Aquatic Sites: include wetlands and salt marsh, mudflats, riffles and pools, and vegetated shallows.

<sup>9</sup> Boating Facilities: facilities that provide, rent, or sell mooring space, such as marinas, yacht, clubs, boat clubs, boat yards, town facilities, dockominiums, etc.

<sup>10</sup> Cannot be at a remote location to create a convenient transient anchorage.

	<b>CATEGORY I</b>	<b>CATEGORY II</b>	<b>INDIVIDUAL PERMIT</b>
(e) PILE-SUPPORTED STRUCTURES AND FLOATS	Reconfiguration of existing authorized docks, provided structures are not positioned over vegetated shallows <sup>6</sup> or salt marsh and provided floats are supported off substrate at low tide. No dredging, additional slips or expansion allowed.	Private piers and floats for navigational access to waterway (seasonal and permanent).	Structures, piers or floats that extend, or with docked/moored vessels that extend, into the horizontal limits of a Federal Navigation Project. Structures, including piers and floats, associated with a new or previously unauthorized boating facility <sup>8</sup> .
(f) MISCELLANEOUS	<ul style="list-style-type: none"> <li>--Temporary buoys, markers, floats, etc., for recreational use during specific events, provided they are removed within 30 days after use is discontinued.</li> <li>--Coast Guard approved aids to navigation.</li> <li>--Oil spill clean-up temporary structures or fill.</li> <li>--Fish/wildlife harvesting structures/fill (as defined by 33 CFR 330, App. A-4)</li> <li>--Scientific measurement devices and survey activities such as exploratory drilling, surveying or sampling.</li> <li>--Shellfish seeding (brushing the flats) projects<sup>11</sup></li> <li>--Does <u>not</u> include oil or gas exploration and fills for roads or construction pads.</li> <li>--This category excludes work in National Wildlife Refuges.</li> </ul>	<ul style="list-style-type: none"> <li>--Structures or work in or affecting tidal or navigable waters that are not defined under any of the previous headings. Includes, but is not limited to, utility lines, aerial transmission lines, pipelines, outfalls, boat ramps, bridge fills/abutments, etc.</li> <li>--Shellfish/finfish (other than Atlantic salmon), or other aquaculture facilities which are consistent with the Corps revised standard siting requirements and standard permit conditions dated 7/6/94, or as revised.</li> </ul>	If EIS required by Corps.

<sup>11</sup> Brushing the flats: the placement of tree boughs, wooden lath structures, or small-mesh fencing on mudflats for the purpose of enhancing recruitment of soft-shell clams (*Mya arenaria*).



# WORK START NOTIFICATION FORM

(Minimum Notice: Two Weeks before Work Begins)

**MAIL TO:** U.S. Army Corps of Engineers, New England District  
Regulatory Branch  
Policy Analysis/Technical Support Section  
696 Virginia Road  
Concord, Massachusetts 01742-2751

A Corps of Engineers Permit (No. \_\_\_\_\_) was issued to the permittee. The permit authorized the permittee to \_\_\_\_\_  
\_\_\_\_\_

The people (e.g., contractor) listed below will do the work, and they understand the permit's conditions and limitations.

*PLEASE PRINT OR TYPE*

**Name of Person/Firm:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Business Address:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Telephone Number:** (\_\_\_\_) \_\_\_\_\_ (\_\_\_\_) \_\_\_\_\_

**Proposed Work Dates:** Start: \_\_\_\_\_ Finish: \_\_\_\_\_

**PERMITTEE'S SIGNATURE:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**PRINTED NAME:** \_\_\_\_\_ **TITLE:** \_\_\_\_\_

FOR USE BY THE CORPS OF ENGINEERS

PM: \_\_\_\_\_ Submittals Required: \_\_\_\_\_  
\_\_\_\_\_

Inspection Recommendation: \_\_\_\_\_  
\_\_\_\_\_

**MITIGATION WORK-START NOTIFICATION FORM**  
**(Minimum Notice: Two Weeks Before Mitigation Work Begins)**

\*\*\*\*\*

MAIL TO: U.S Army Corps of Engineers, New England District  
Regulatory Branch  
Policy Analysis/Technical Support Section  
696 Virginia Road  
Concord, Massachusetts 01742-2751

\*\*\*\*\*

Corps of Engineers Permit No. ( ) was issued to **[insert name of permittee]**. The permit authorized the permittee to **[insert brief description of the authorized work and location]**.

The permit required compensatory mitigation. **[Briefly describe the requirements, including, if applicable, submitting a final mitigation plan and monitoring reports.]**

Those listed below will do the mitigation, including monitoring and remediation if required. They understand the requirements of the permit and the mitigation and monitoring plan.

*PLEASE PRINT OR TYPE*

**Environmental**  
*Consultant/Scientist*

**Mitigation**  
*Contractor*

Name of Person/Firm: \_\_\_\_\_

Business Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Telephone Number: ( ) \_\_\_\_\_ ( ) \_\_\_\_\_

Proposed Mitigation Work Dates: Start \_\_\_\_\_ Finish \_\_\_\_\_

PERMITTEE'S SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

PRINTED NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

Corps PMs: \_\_\_\_\_